

PRIMMER DUMP

1. If you are asked to do a modular software design, which combination of coupling and cohesions should you use for designing the software?

- a. High cohesion and high coupling
- b. High cohesion and low coupling**
- c. Low cohesion and high coupling
- d. Low cohesion and low coupling

2. Statement: For a logically cohesive module, there are some activities to be implemented. These activities are preferred from inside the module itself. Is the above given statement true? If not, choose the correct option to make it true.

- a. The activities are selected from outside the module.**
- b. The activities are selected in a random manner.
- c. The activities are selected in a sorted manner.
- d. The given statement is true.

3. What kind of controlled structure is used when we don't know the exact number of times a code needs to be executed?

- a. switch
- b. while**
- c. for
- d. if-else

4. Which of the given statements is true about XP?

- a. XP narrows down towards a single project developed and numbered by a single team.**
- b. XP will not work in environment where the manager insists on complete documentation before the team begins to code**
- c. XP will work in the environment where programmers are separated geographically.
- d. XP is best suited to work with systems that have scalability issues.**

5. _____ testing is done by client in the real world environment.

- a. Alpha
- b. beta
- c. system
- d. gamma

6. Which two phases of feature driven development are repeated until no more feature exist?

- a. Develop an overall model
 - b. Plan by feature
 - c. Design by feature
 - d. Build a feature list
 - e. Build by feature
- a. b and c
 - b. c and e
 - c. b and e
 - d. d and b

7. Predict the output

What will be the output for the given code snippet

startprogram

```
public class Main {  
    public static void main(String[] args) {  
        try {  
            System.out.println(4/0);  
            try{  
                Int[] a={1,2,3};  
                System.out.println(a[3]);  
            } catch(ArrayIndexOutOfBoundsException e) {  
                System.out.println("Out of bounds");  
            }  
        }catch(ArithmeticException e){  
            System.out.println("ArithmaticException : divide by 0");  
        }  
    }  
}  
endprogram
```

- a. out of bounds ArithmeticException : divide by 0
- b. runtime error
- c. out of bounds
- d. ArithmeticException: divide by 0**

8. Which of the following declarations will cause a compile time error?

- a.int[] scores = null;
- b. int[] scores =new int[5];
- c. String[] nameArray = new String[10];
- d. String[] nameArray = (5,3,2);**

9. Arrow symbols in the flowchart is used to show the sequence of steps and the relationship among them. State true and false

- a. True**
- b. False

10. Information hiding is achieved through which OOP principle?

- a. Inheritance
- b. Encapsulation**
- c. Typing
- d. Hierarchy

11. In multibranch, the pipeline names should not contain_____.

- a. spaces**
- b. special characters
- c. numerics
- d. variables

12. Which are the phases of CI/CD pipeline?

- a. Source
- b. Operate**
- c. Monitor**
- d. Deploy**

13. _____ is a conceptual framework where software is developed in iterations

- a. Agile
- b. prototyping
- c. extreme programming
- d. DSDM

14. Predict the output of the following statement. Select substr("Yellow is A colour",1,5) from dual;

- a. Yellow
- b. Yel
- c. Yello
- d. elow

15. column header is referred as

- a. domain
- b. attribute
- c. table
- d. tuples

16. At which level of testing the non-functional requirements are tested?

- a. Unit testing
- b. system testing
- c. Integration testing
- d. Acceptance testing

17. Agile methodology does not accept change of requirements at any stage

- a. True
- b. False

18. In a relational database a referential integrity constraint can be done using

- a. primary key
- b. foreign key
- c. secondary key
- d. composite key

19. Which of the given options are true with respect to arrays?

- a. Array size is fixed
- b. The element of an array can be accessed using index.**
- c. Array element can be sorted by decreasing order
- d. Negative values cannot be placed in an array.

20. Name the type of join used to include rows that do not have matching values

- a. Cartesian product
- b. inner join
- c. non equi-join
- d. outer join**

21. Expand DSDM

- a. Dynamic System Development Method**
- b. Dynamic State Development Method
- c. Dynamic System Design Method
- d. Data System Development Method

22. A primary key can have null values. State True and False.

- a. True
- b. False**

23. Meta data is declared as _____ in SQL?

- a. Data Dictionary**
- b. Meta Dictionary
- c. Meta Information
- d. Data Information

24. Which of the following is true about Continuous Integration?

- a. It is performed immediately after the developers check-in.**
- b. Development team sends continuous code merging requests even when the testing process is running**
- c. It emphasizes on the change in all stages of your production pipeline
- d. It is an approach of testing each code to codebase automatically.**

25. The practice of automatically provisioning a new environment at the time of deployment is referred to as _____.

- a. Continuous Integration
- b. Continuous Development
- c. Infrastructure-as-Code
- d. Configuration Management

26. Scrum divides the development into short cycles called_____.

- a. Spirals
- b. Tracks
- c. Lanes
- d. Sprints

26. Which of the following is a correct declaration in java?

- a. char[] Tic = new char();
- b. char[] Tic = new char[19];
- c. char[] Tic = new char(14);
- d. char[] Tic = new char[];

27. Raghav has developed an application to automate the billing process of the Aarvee Departmental Store. When the product is in operation, the client found that the place of the phone number, it prints the Customer ID. So he approaches Raghav to fix the issue. What type of Maintenance does the above scenario depict?

- a. Corrective
- b. Adaptive
- c. Predictive
- d. Preventive

28. Consider the scenario: You have written a code to display a menu on the screen and some operation are preformed based on the given user input. Which control structure would you use, so that the menu is guaranteed to show/display at least once on the screen, before performing the operation.

- a. for loop
- b. While loop
- c. Do-While loop
- d. Case

29. Predict the output for the given pseudo code snippet. SET count = 1

While count less than or equal to 5

Print “Hello, world”

Count = count + 1

END WHILE

a. Prints “Hello, world” 5 times

b. Prints “Hello, world” 6 times

c. loop goes on infinitely

d. Prints “Hello, world” 4 times

30. Pinky and Raju are working on an insurance project. They are not aware of SVN. So they created a common project on the server. Both retrieved the project from the server. They made relevant changes to the life. First Raju saved the changes to the server. Next Pinky saved her project identify which of the given statements are true.

a. Both their changes get updated on the server.

b. Pinky’s changes alone are stored and when Raju tries the upload, the server notifies the differences.

c. Both Pinky and Raju’s changes get rolled back.

d. Pinky’s project over writes the changes done by Raju.

31. Statement: For a logically cohesive module, there are some activities to be implemented. These activities are preferred from inside the module itself.

Is the above given Statement true? If not, choose the correct option to make it true.

a. The activities are selected from outside the module.

b. The activities are selected in a random manner.

c. The activities are selected in a sorted manner.

d. The given statement is true.

32. does the special group or group 0 is included while coupling groups using the groupCount in java.

a. True

b. False

33. Many _____ are delivered in an agile process.

- a. Builds
- b. Software**
- c. Programs
- d. Tests

34. Predict the output

```
startprogram
class Product
{
    String productName;
}

class Mobile extends Product
{
    String mobileName;
    void display()
    {
        super.productName = mobileName + "Brand New!";
        System.out.println(mobileName +" "+ productName);
    }
}
class Main
{
    public Static void main(String args[])
    {
        Mobile obj = new Mobile();
        obj.productName="1";
        obj.mobileName="2";
        obj.display();
    }
}
endprogram
```

- a. 2 2Brand New !
- b. 1 2Brand New !
- c. 1 1Brand New !
- d. Brand New !

35. Predict the output

```
import java.util.Scanner;

class WeightLimitExceeded extends Exception {

    WeightLimitExceeded(int x) {
        System.out.print(Math.abs(15-x) + "kg: ");
    }
}

public class Main{

    void validWeight(int weight) throws WeightLimitExceeded {
        if(weight > 15)
            throw new WeightLimitExceeded(weight);
        else
            System.out.println("You are ready to fly!");
    }

    public static void main(String[] args)
    {
        Main ob = new Main();
        Scanner in=new Scanner(System.in);
        for(int i=0;i<2;i++) {
            try {
                ob.validWeight(in.nextInt());
            }
            catch(WeightLimitExceeded e)
            {
                System.out.println(e);
            }
        }
    }
}
```

```
}
```

```
}
```

What will be the output for the given code snippet

- a. 5kg : WeightLimitExceeded

You are ready to fly!

- b. NumberFormatException

- c. 5kg :

You are ready to fly!

- d. Cannot find symbol Math.abs

36. Predict the output

What will be the output for the given code snippet

Startprogram

Public class Main{

```
    public static void main(String args[])
```

```
        try {
```

```
            System.out.println(4 / 0);
```

```
            try {
```

```
                int[] a = {1,2,3};
```

```
                System.out.println(a[3]);
```

```
            } catch(ArrayIndexOutOfBoundsException e){
```

```
                System.out.println("Out of bounds");
```

```
            }
```

```
        } catch (ArithmeticalException e) {
```

```
            System.out.println("ArithmeticalException : divide by 0");
```

```
        }
```

```
}
```

endprogram

- a. Out of bounds ArithmeticalException : divide by 0

- b. Runtime error

- c. Out of bounds

- d. ArithmeticalException : divide by 0**

37. Predict the output

What will be the output for the given code snippet

startprogram

Public class Main{

```
    public static void main(String args[])
        int a =10;
        for(int i=3;i>=0;i++)
            try{
                System.out.println(a / i);
                System.out.println("End of try");
            }
            catch(ArithmaticException e){
                System.out.println(e);
            }
        }
```

endprogram

- a. 3
5
10
Java.lang.ArithmaticException: / by zero

- b. 3
End of try
5
End of try
10
End of try
Java.lang.ArithmaticException: / by zero

- c. Compiletimeerror
- d.runtimeerror

38. Predict the output

What will be the output for the given code snippet

Startprogram

Import java.util.regex;

Public class Main{

```
    public static void main(String args[])

```

```

{
    String s="ABC";
    Pattern p=Pattern.compile(s);
    String r="ABCABCABCABC";
    Matcher m=p.matcher(r);
    System.out.println(m.lookingAt());
}
}

endprogram

a. true
b. false
c. ABC
d. 0

```

39. Predict the output

What will be the output for the given code snippet

```

startprogram

Import java.util.regex;

Public class Main{

    public static void main(String args[])
    {

        Pattern p=Pattern.compile("\d");
        String test="India123";
        Matcher m=p.matcher(test);
        If(m!=null)
        {
            System.out.println(m.find());
            System.out.println(m.matches());
        }
    }
}

endprogram

a. true

```

true

b. false

true

c. true

false

d. false

false

40. Predict the output

What will be the output for the given code snippet

startprogram

Public class Main{

public static void main(String args[])

{

int arr[] = new int[] {0,1,2,3,4,5,6,7,8,9};

int n=6;

n = arr[n] / 2;

System.out.println(arr[n] / 2);

}

}

endprogram

a. 2

b. 1

c. 6

d. 0

41. Predict the output

public class Main{

public static void main(String args[])

{

int[]m = new int[13];

System.out.println("m[0] is " +m[0]);

}

}

- (a.) Program has a compiler error
- (b.) Program has a compiler error
- (c.) The program runs fine and displays m[0] is 0.**
- (d.) None

42. Predict the output

```
import java.util.regex.*;  
  
public class Hello {  
  
    public static void main(String args[])  
    {  
  
        String s="REGULAREXPRESSION";  
  
        String r="";  
  
        s=s.replaceAll(r,"");  
  
        System.out.println(s);  
    }  
}
```

- (a.) ,R,E,G,U,L,A,R,E,X,P,R,E,S,S,I,O,N,**
- (b.) REGULAREXPRESSION
- (c.) None
- (d.) All

43. Predict the output

```
import java.util.Scanner;  
  
public class Main {  
  
    static void func(int a,int b) throws ArithmeticException, ArrayIndexOutOfBoundsException  
    {  
  
        System.out.println(10/a);  
  
        int[] arr={1,2,3};  
  
        System.out.println(arr[b]);  
    }  
  
    public static void main(String[] args)  
    {
```

```

Scanner in=new Scanner(System.in);

for(int i=0;i<3;i++)
{
    try{
        func(in.nextInt(),in.nextInt());
    }
    catch(ArithmetricException e){
        System.out.println("can't divide by zero");
    }
    catch(ArrayIndexOutOfBoundsException e)
    {
        System.out.println("Out of bounds");
    }
}

```

- a) 5
2
can't divide by zero
5
out of bounds
- b) 5
1
can't divide by zero
5
out of bounds
- c) **Compile TimeError**
- d) Results in recursion

44. Which plugin are the appropriate functionality plugins used in multibranch pipelines for validating the pull or change requests. (Select any two)

- *) **GitHub Branch Source**
- *) GitHub Main Source

***) Bitbucket Branch Source**

***) Bitbucket Main Source**

45. In code phase, requirements and feedback are gathered from customers and stakeholders.

a) True

b) False

46. Agile is useful when the client requirements are not clear or requirement frequently changes.

a) True

b) False

47. Many _____ are delivered in an agile process

a) Builds

b) Softwares

c) Programs

d) Tests

48. Assume we have created a table employees with the columns: employee_id, employee_name, salary, designation and manager_id. Here employee_id is set as primary key and manager_id is a foreign key which refers to employee_id in the employees. Manju wants to display the employee details along with the manager id and manager name. Select which query suits the above requirement.

a) select employee_id, employee_name, salary, employee_id "Mgr-id", employee_name "Mgr-name" FROM employees;

b) select e.employee_id, e.employee_name, e.salary, m.employee_id "Mgr-id", m.employee_name "Mgr-name" FROM employees e, employees m Where e.manager_id = m.manager_id;

c) select e.employee_id, e.employee_name, e.salary, m.employee_id "Mgr-id", m.employee_name "Mgr-name" FROM employees e, employees m Where e.manager_id = m.employee_id;

d) select e.employee_id, e.employee_name, e.salary, m.manager_id "Mgr-id", m.employee_name "Mgr-name" FROM employees e, employees m Where e.manager_id = m.employee_id;

49. Predict the output

What will be the output for the given code snippet

startprogram

import java.util.Scanner;

public class Main{

```
public static void throwit(){
    System.out.println("throwit");
    throw new RunTimeException();
}

public static void main(String[] args){
try{
    System.out.println("Hello");
    throwit();
}catch(Exception re){
    System.out.println("Caught");
}finally{
    System.out.println("Finally");
}
System.out.println("After");
}
```

a) Hello

 throwit

 Caught

 Finally

 After

b) Finally

 After

c) CompileTimeError

d) throwit

 Caught

 After

 Finally

Pre-request every one again to join in every following groups to get further updates and if you leave groups after your TFA and stream tests you will miss your further updates for sure so just stay connected.

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Predict the output for the given pseudo code snippet

```
SET count = 1  
WHILE count less than or equal to 5  
print "Hello, world"  
count = count+1  
END WHILE
```

Prints “Hello, world” 5 times

At which level of testing the non functional requirements are tested?

System Testing

Consider a scenario: You have written a code to display a menu on the screen and some operations are performed based on the given user input. Which control structure would you use, so that the menu is guaranteed to show display at least once on the screen, before performing the operation.

Do-While

Which two phases of Feature Driven Development are repeated until no more features exist?

- a. Develop an overall Model
- b. Plan By Feature
- c. Design By Feature**
- d. Build a Features List
- e. Build By Feature**

What does public Boolean lookingAt() method do?

Attempts to match the pattern partially or fully in the matcher

A primary key can have NULL values. State True or False.

False

Name the type of join used to include rows that do not have matching values.

Outer Join

Meta data is described as _____ in SQL?

Data Information

_____ is a conceptual teamwork where software is developed in iterations

Agile

Many _____ are delivered in an agile process

Builds

Expand DSDM

Dynamic System Development Method

Which of the following are features of BitBucket?

Code Review, Pipelines, Build Integrations, Jira Software Integrations, Trello Boards, Different Views, Projects, IDE Integration

Trello Boards, Different Views

In Code Phase, requirements and feedback are gathered from customers and stakeholders

False

Which plugins are the appropriate functionally plugins used in multibranch pipelines for validating the pull or change requests

a. Github Branch Source

b. Github Main Source

c. BitBucket Branch Source

d. BitBucket Main Source

Predict the output

What will be the output for the given code snippet

startprogram

```
public class Main{  
    public static void main(String] args){  
        int a = 10;  
        for (int i=3; i>=0;i--)  
            try{  
                System.out.println(a/i);  
            }  
    }  
}
```

```
System.out.printing ("End of try") ;  
}  
catch (ArithmetricException e) {  
System.out.println(e);  
}  
}  
}  
}  
endprogram
```

3
End of try
5
End of try
10
End of try
java.lang.Arithmetric Exception: / by zero

Predict the output

What will be the output for the given code snippet

startprogram

```
public class Main{  
public static void main(String[] args){  
int[] m = new int[13];  
System.out.println("m[0] is " +m[0]);  
}  
}
```

endprogram

Ans: 0

Predict the output

What will be the output for the given code snippet

startprogram

```
public class Main{  
public static void main(String args[]) {  
int arr[][] = new int[3][];  
arr[0] = new int[1];  
arr[1]= new int[2];  
arr[2]= new int[3];  
int sum = 0;  
for(int i=0; i<3; ++i)  
for(int j=0; j<i+1; ++j)
```

```
arr[i][j] = j+1;  
for(int i=0; i<3; ++i)  
for(int j=0; j<i+1; ++j)  
sum += arr[i][j];  
System.out.print(sum);
```

Ans: 10

Statement for a logically cohesive module, there are some activities to be implemented. These activities are performed from inside the module itself.

Is the above given statement true? If not, choose the correct option to make it true.

The activities are selected form outside the module

_____ testing is done by the client in the real world environment.

Beta Testing

If you are asked to do a modular software design, which combination of coupling and cohesion should you use for designing the software?

High cohesion and low coupling

Which of the given statements is true about XP?

XP narrows down towards a single project, developed and maintained by a single team.
XP will not work in an environment where the manager insists on complete documentation before the team begins to code.
XP will work in an environment where programmers are separated geographically.

Raghav has developed an application to automate the billing process of the Aarvee Departmental store. When the product is in operation, the client found that in the place of phone number, it prints the Customer ID.

What type of maintenance does the above scenario depict?

Corrective

Which one of the following is a correct declaration in Java?

Char[] Tic = new char[19];

Scrum divides the development into short cycles called _____

Sprints

Information hiding is achieved through which OOP principle ?

Encapsulation

Arrow symbols in the flowchart is used to show the sequence of steps and the relationship among them. State True/Faise.

True

Does the special group and group 0 is included while capturing groups using the groupCount in Java

False

Predict the output for the following statement. Select substr('Yellow is A Colour',1,5) from ...

Yello

Agile is useful when the client requirements are not clear or requirement frequently changes.

True

Which of the following declarations will cause a compile time error?

String[] nameArray = {5,3,2};

Which of these are not agile methodology?

BPM

Agile Technology does not accept change of requirements at any stage.

False

In a relational database a referential integrity constraint can be done using

Foreign key

Which one is YAML's basic building block?

Key Value

Which of the given options are true with respect to arrays?

The elements of an array can be accessed using index.

Pinky and Raju are working on an Insurance project. They are not aware of SVN. So they created a common project on the server. Both retrieved the project from the server. They made relevant changes to the file. First Raju saved the changes to the server. Next Pinky saved her project. Identify which of the given statements are true.

Pinky's project over writes the changes done by Raju.

Which kind of control structure is used when we don't know the exact number of time when a code need to be executed

While

The practice of automatically provisioning a new environment at the time of deployment is referred to as _____

Infrastructure-as-Code(IaC)

College management is in need of the report of students exam result. For this Tom has to join the tables students, courses, registration, exam, final_project. How many join conditions are needed to write the query.

Ans: 4

Predict the output of the below query. Select max(salary), min(salary), sum(salary), avg(salary) from employee.

Will display the max, min, sum and average salary earned by the employee

In multibranch, the pipeline names should not contain _____
Spaces

Which of the following takes more time?

Design
Testing
Maintenance
Feasibility

Predict the output

What will be the output for the given code snippet

startprogram

```
import java.util.regex.*;
public class Main {
    public static void main(String[] args){
        Pattern p=Pattern.compile("\d");
        String test="India123";
        Matcher m=p.matcher(test);
        if(m!=null){
            System.out.println(m.find());
```

```
System.out.println(m.matches());
}
}
}
Endprogram
```

True

False

Predict the output

What will be the output for the given code snippet

```
startprogram
public class Main {
public static void main(String args[]) {
int arr[] =new int[] {0, 1, 2, 3, 4, 5, 6, 7, 8, 9};
int n = 6;
n = arr[arr[n] / 2];
System.out.println(arr[n] / 2);
}
}
endprogram
```

Ans: 1

Predict the output

What will be the output for the given code snippet

```
startprogram
public class Main {
public static void main(String[] args) {
try{
    System.out.println(4/0);
    try{
        int[] a = {1,2,3};
        System.out.println(a[3]);
    }
}catch (ArrayIndexOutOfBoundsException e){
    System.out.println("Out of bounds");
}
}catch (ArithmaticException e){
    System.out.println("ArithmaticException : divide by 0");
}
}
}
Endprogram
```

ArithmaticException : divide by 0

Predict the output

What will be the output for the given code snippet

```
startprogram
public class Main {
    public static void main(String[] args) {
        int[] m = new int[13];
        System.out.println("m[0] is "+m[0]);
    }
}
Endprogram
```

Ans: The program runs fine and displays m[0] is 0.

Predict the output

What will be the output for the given code snippet

```
startprogram
import java.util.regex.*;
public class Main {
    public static void main(String[] args) {
        String s = "ABC";
        Pattern p = Pattern.compile(s);
        String r = "ABCABCABCABC";
        Matcher m = p.matcher(r);
        System.out.println(m.lookingAt());
    }
}
Endprogram
```

Ans: True

Predict the output

What will be the output for the given code snippet

```
startprogram
import java.util.regex.*;
public class Main {
    public static void main(String[] args) {
        {
            String s="REGULAREXPRESSION";
            String =
            s=s.replaceAll(r".");
            System.out.println(s);
        }
    }
}
Endprogram
```

Ans: ,R,E,G,U,L,A,R,E,X, P, R,E,S, S, I, O, N,

Predict the output

What will be the output for the given code snippet

```
startprogram
import java.util.regex.*;
public class Main {
public static void main(String[]args){
String s="India";
String r= "\\";
s=s.replaceAll(r,"a");
System.out.println(s);
}
}
Endprogram
```

Ans: PatternSyntaxException

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Test Taken on: February 28, 2019 03:17:44 PM IST

Finish State: Normal

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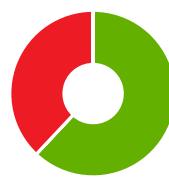
Overall Summary

MARKS SCORED

	Score	Percentile	Percentage
Section #1	31 / 50	27	62
Total	31 / 50	27	62

Percentile is among 2265 candidate(s) who've taken this test.

SUMMARY OF ATTEMPTS

**19 Incorrect
(Scored 0/19)****31 Correct
(Scored 31/31)**

TIME TAKEN

1	14
hr	min

Available time: 1 hr 20 min

TOTAL QUESTIONS

50

Question-wise Details

Section #1

Question 1:

Time: 3 Min 3 Sec

Marks: 1/ 1

Consider the tables given below.

Customer(customerId,(customerName)

Book(bookId, bookName)

Purchase(purchaseId, bookId, customerId)

bookId and customerId in purchase table are foreign keys referring to Book and Customer tables respectively. Which is the CORRECT SQL statement to retrieve customer name and book name for all books purchased by customers.

Options	Response	Answer
<pre>SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p ON c.customerId=p.customerId INNER JOIN book b ON b.bookid=p.bookid;</pre>	✓	✓
<pre>SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p INNER JOIN book b ON b.bookid=p.bookid AND c.customerId=p.customerId;</pre>		
<pre>SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p ON c.customerId=p.customerId SELF JOIN book b ON b.bookid=p.bookid;</pre>		
<pre>SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p ON c.customerId=p.customerId;</pre>		

Question 2:

Time: 1 Min 34 Sec

Marks: 0 / 1

What will be the output of the following Java code?

Employee.java

```
public class Employee {  
    private int employeeId;  
    private String employeeName;  
  
    public Employee(){  
        this.employeeName = null;  
        this.employeeId = 0;  
        System.out.println("Employee Constructor");  
    }  
}
```

ArrayOfObjectsTester.java

```
public class ArrayOfObjectsTester {  
    public static void main(String[] args){  
        Employee[] employee = new Employee[3]; //Line-1  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Employee Constructor will be displayed once		
Compilation error at Line-1: Invalid array declaration	✓	
Program will display nothing		✓
Employee Constructor will be displayed 3 times		

Question 3:

Time: 1 Min 36 Sec

Marks: 1 / 1

Refer the code given below:

```
Employee emp = new Employee();
Employee emp1 = new Employee();
Employee emp2 = emp;
Employee emp3;
emp=null;
emp3=emp;
//Line1
```

Assume that class Employee is a valid Java class.

How many objects are eligible for garbage collection at Line1?

Choose the most appropriate option.

Options	Response	Answer
1		
2		
3		
0	✓	✓

Question 4:

Time: 21 Sec

Marks: 1/ 1

Which is the correct CSS code to display the text "Accenture" in light grey back ground?

Options	Response	Answer
<h2 style="background-color:lightgrey">Accenture</h2>	✓	✓
<h2 background-color:lightgrey>Accenture</h2>		
<h2 style="background-color:lightgrey">Accenture</h2>		
<h2 style="background-color:lightgrey">Accenture</h2>		

Question 5:

Time: 17 Sec

Marks: 1/ 1

Which of the following is/are TRUE with respect to method overloading?

- a. Method name should be the same
- b. Return type of the methods should be the same
- c. Number of parameter and sequence of parameter must be different

Choose the most appropriate option.

Options	Response	Answer
Both (a) and (b) are TRUE		
Only (a) is TRUE		
Both (a) and (c) are TRUE	✓	✓
Both (b) and (c) are TRUE		

Question 6:**Time: 1 Min 57 Sec****Marks: 0/ 1**

Consider the table Project(projectId, projectType,budget).

Which is the CORRECT SQL statement to retrieve the count of projects which is of type 'FIN' or' SALE'? It should count for 'FIN' and 'SALE' separately.

Options	Response	Answer
<pre>SELECT projectType,COUNT(projectId) FROM project GROUP BY projectId HAVING projectType IN('FIN','SALE');</pre>	✓	
<pre>SELECT projectType,COUNT(projectId) FROM project WHERE projectType IN('FIN','SALE');</pre>		
<pre>SELECT projectType,COUNT(projectId) FROM project WHERE projectType IN('FIN','SALE') GROUP BY projectType;</pre>	✓	
<pre>SELECT projectType,COUNT(projectId) FROM project WHERE projectType IN('FIN','SALE') GROUP BY projectId;</pre>		

Question 7:
Time: 1 Min 3 Sec
Marks: 0/ 1

Which of the following are CORRECT statement?

- a) onClick() and onFocus() are DOM events
- b) The DOM method getElementByTagName("name") retrieves an array of all elements having the given tag name
- c) In Java Script, a browser is represented by an implicit object called Document

Options	Response	Answer
a, b and c	✓	
a and b only		✓
b and c only		
a and c only		

Question 8:

Time: 3 Min 38 Sec

Marks: 0/ 1

Assume that table **Employee** is created with foreign key column managerid referring to empid column of same table and the following records are inserted.

EMPID	EMPNAME	MANAGERID
1001	James	NULL
1002	Mark	1001
1003	Mary	1002
1004	Mark	1001

How many rows will be deleted after executing the below DML statement?

DELETE FROM employee WHERE empid=1001;

Select the most appropriated option.

Options	Response	Answer
2		
Error: Integrated constraint violated. Child record found		✓
0		
1	✓	

Question 9:

Time: 43 Sec

Marks: 0/ 1

Consider the class Account and class Customer given below. Identify the relationship that exists (if any) between these two classes.

Account.java

```
public class Account{  
    private int accountNumber;  
    private double balanceAmount;  
}
```

Customer.java

```
public class Customer{  
    private String customerName;  
    Account account;  
    public Customer(){  
        this.account = new Account();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
No relationship exists between Account and Customer class		
Inheritance		
Composition		✓
Aggregation	✓	

Question 10:

Time: 10 Sec

Marks: 1/ 1

Performance feedback allows which of the following actions?

- (1) To take action to improve your skills and performance so you are effective in your current and future roles
- (2) To have your say about how you think your colleagues are performing

Choose the most appropriate option.

Options	Response	Answer
Only (1)	✓	✓
Neither (1) Nor (2)		
Only (2)		
Both (1) and (2)		

Question 11:

Time: 3 Min 16 Sec

Marks: 0/1

Assume that table **Event** is created using the below script.

```
CREATE TABLE Event(
    EventId VARCHAR2(5) CONSTRAINT Event_PK PRIMARY KEY,
    EventName VARCHAR2(20) CONSTRAINT Event_NN NOT NULL,
    StageNumber NUMBER(2) DEFAULT 1,
    NumberOfParticipants NUMBER(2));
```

Identify the correct insert statements which can be applied on Event table

- a) INSERT INTO Event VALUES('E1','Dance',NULL,2);
- b) INSERT INTO Event VALUES('E1','Speech',1);
- c) INSERT INTO Event(EventId,EventName) VALUES('E3','Drama');
- d) INSERT INTO Event(EventId,StageNumber,NumberOfParticipants) VALUES('E4',4,7)

Options	Response	Answer
a and b	✓	
b and c		
a and c		✓
a and d		

Question 12:
Time: 2 Min 31 Sec
Marks: 1 / 1

What will be the output of the following Java code?

```
public class Tester {
    public static void main(String[] args) {
        int itr=10;
        int sum=0;
        do{
            itr=itr-2;
            sum=sum+itr;
        }while(itr>=0);

        System.out.print("Itr: "+itr+", Sum: "+sum);
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Itr: 0, Sum: 20		
Itr: -2, Sum: 20		
Itr: -2, Sum: 18	✓	✓
Itr: 0, Sum: 18		

Question 13:
Time: 37 Sec
Marks: 1 / 1

Refer the JavaScript code given below.

```
<html>

<head>

<script>

function aFun(){

var num1=111;

var num2="111";

alert(num1==num2) //Line1

alert(num1===num2) //Line2

}

</script>

</head>

<button onclick='aFun()'>Click</button>

</html>
```

When the above code is executed, what will be the output produced by Line1 and Line2?

Options	Response	Answer
Output from Line1: true, Output from Line2: true		
Output from Line1: false, Output from Line2: true		
JavaScript will show a compilation error as "===" is not defined		
Output from Line1: true, Output from Line2: false	✓	✓

Question 14:

Time: 2 Min 3 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class IfTester{
    public static void main(String[] args) {
        int number1 = 10;
        if(number1 == 10) {
            int number2 = 20;
        } else {
            int number2 = 30;
        }
        System.out.println("Number2 :" + number2);
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation Error: number2 cannot be resolved to a variable	✓	✓
Number2 :20		
Number2 :0		
Number2 :30		

Question 15:

Time: 1 Min 44 Sec

Marks: 1 / 1

Which of the following statement/s is/are VALID array declaration in JavaScript?

(1) var mixed=['ABCD',1234,12.3,"Value","1"]

(2) var arrayVar=[1,2,3,4]

(3) var arrayVar={1,2,3,4}

Options	Response	Answer
Both (2) and (3)		
Only (1)		
Both (1) and (2)	✓	✓
All (1), (2) and (3)		

Question 16:

Time: 2 Min 21 Sec

Marks: 0 / 1

What will be the output of the following Java code? Assume that all classes are present in the same package.

```
class Account {  
    int balance;  
    public void createAccount() {  
        System.out.println("Account created");  
        balance = 500;  
    }  
}  
  
class SavingsAccount extends Account {  
    public void createAccount() {  
        System.out.println("Savings account created");  
        balance = 1000;  
    }  
}  
  
public class ApplicationTester{  
    public static void main(String[] args) {  
        Account account = new SavingsAccount();  
        account.createAccount();  
        System.out.println("Balance: "+account.balance);  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Savings account created Balance: 1000		✓
Account created Balance: null		
Account created Balance: 500		
Compilation Error: The field Account.balance is not visible	✓	

Question 17:**Time: 1 Min 32 Sec****Marks: 0 / 1**

What will be the output of the following Java code?

```
1 public interface Bank{
2     void createAccount();
3     public void applyForLoan();
4 }
5
6 public class MyBank implements Bank{
7     void createAccount(){
8         System.out.println("Account in MyBank");
9     }
10    public void applyForLoan(){
11        System.out.println("Loan in MyBank");
12    }
13 }
14
15 public class BankTester{
16     public static void main(String[] args){
17         Bank b = new MyBank();
18         b.applyForLoan();
19     }
20 }
21
```

Options	Response	Answer
Compilation error at Line 2: 'public' is missing	✓	
Compilation error at Line 17: cannot have reference of 'Bank' type		
Loan in MyBank		
Compilation error at Line 7: Cannot reduce the visibility of the inherited method from Bank		✓

Question 18:**Time: 2 Min 22 Sec****Marks: 0/1**

Consider the following tables:

Nominee(NomineeId, NomineeName, DateOfBirth, Relationship)

Account(AccountNumber, OpeningDate, Balance, NomineeId)

Which is the CORRECT SQL query to display AccountNumber, OpeningDate, NomineeName, DateOfBirth, Relationship of accounts including the accounts for which there are NO nominees?

Options	Response	Answer
<pre>SELECT Account.AccountNumber, Account.Ope ningDate, Nominee.NomineeName, Nominee.DateOfBirth, Nominee.Relatio nship FROM Account CROSS JOIN Nominee;</pre>		
<pre>SELECT Account.AccountNumber, Account.Ope ningDate, Nominee.NomineeName, Nominee.DateOfBirth, Nominee.Relatio nship FROM Account INNER JOIN Nominee ON Account.NomineeId = Nominee.NomineeId;</pre>	✓	
<pre>SELECT Account.AccountNumber, Account.Ope ningDate, Nominee.NomineeName, Nominee.DateOfBirth, Nominee.Relatio nship FROM Account LEFT OUTER JOIN Nominee ON Account.NomineeId = Nominee.NomineeId;</pre>		✓
<pre>SELECT Account.AccountNumber, Account.Ope ningDate, Nominee.NomineeName, Nominee.DateOfBirth, Nominee.Relatio nship FROM Nominee LEFT OUTER JOIN Account ON Account.NomineeId = Nominee.NomineeId;</pre>		

Question 19:

Time: 45 Sec

Marks: 1/ 1

Refer the HTML code given below.

```
<html>  
  <body>  
    <table border="1">  
      <tr><th>A</th> <th colspan="2">B</th>  
      <tr> <th rowspan="3">C</th> <th>D</th> <th>E</th> </tr>  
      <tr> <th>A</th> <th rowspan="2">B</th></tr>  
      <tr> <th>D</th>  
    </table>  
  </body>  
</html>
```

How many cells will be displayed when the page is displayed on the browser?

Options	Response	Answer
8	✓	✓
7		
9		
10		

Question 20:

Time: 1 Min 10 Sec

Marks: 1/ 1

Which of the following actions should be performed to ensure cyber safety at a user level?

- (i) Automatic downloads from the websites should be enabled
- (ii) Automatic security updates should be installed
- (iii) Firewall should be turned off if the system has the latest security update

Choose the most appropriate option

Options	Response	Answer
Both (ii) and (iii)		
Both (i) and (ii)		
Both (i) and (iii)		
Only (ii)	✓	✓
Only (iii)		

Question 21:

Time: 1 Min 5 Sec

Marks: 1/ 1

Consider the following Java code snippet.

```
String str1 = new String("Accenture");
String str2 = str1;
String str3 = new String("LKM");
String str4 = str3;
str1 = null;
str4 = null;
str3 = str4;
```

From the above code, identify how many object(s) are eligible for garbage collection.

Choose the most appropriate option.

Options	Response	Answer
0		
1	✓	✓
2		
3		

Question 22:

Time: 16 Sec

Marks: 1/ 1

Which of the following statement/s is/are TRUE with respect to Community Cloud?

- (1) Exclusively owned and operated by a single organization
- (2) Available for use by a shared community consisting of several organizations

Choose the most appropriate option.

Options	Response	Answer
Both (1) and (2)		
Only (2)	✓	✓
Neither (1) Nor (2)		
Only (1)		

Question 23:

Time: 28 Sec

Marks: 1/ 1

Consider the table **Account(accountId, accountType, balance)**.

Which is the CORRECT SQL statement to display all unique accountTypes from account table?

Options	Response	Answer
SELECT ALL DISTINCT accountType FROM account;		
SELECT (DISTINCT)accountType FROM account;		
SELECT DISTINCT accountType FROM account;	✓	✓
SELECT DISTINCT ALL accountType FROM account		

Question 24:

Time: 2 Min 38 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
interface A{
    void display(); // Line X
}

class B implements A{
    void display(){ // Line Y
        System.out.println("B");
    }
}

public class Demo{
    public static void main(String[] args) {
        A a=new B(); // Line Z
        a.display();
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error at Line Y: cannot reduce the visibility of the method		✓
Compilation error at Line X: missing 'abstract' keyword		
B	✓	
Compilation error at Line Z: Invalid reference type		

Question 25:

Time: 1 Min 50 Sec

Marks: 0/1

What will be the output of the following Java code?

Note: Parent class is present in a package called 'packageone'. The Child class and TestPackage class are present in a package called 'packagetwo'

Parent.java

```
package packageone;
public class Parent {
    protected void display(){
        System.out.println("Hello! its from package one");
    }
}
```

Child.java (Assume that necessary packages are imported)

```
package packagetwo;
public class Child extends Parent {
    public void display(){ //Line 1
        System.out.println("Hello! its from package two");
    }
}
```

TestPackage.java (Assume that necessary packages are imported)

```
package packagetwo;
public class TestPackage {
    public static void main(String[] args) {
        Parent p = new Parent();
        Child c = new Child();
        p.display(); // Line 2
        c.display(); // Line 3
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
It prints both : Hello! its from package one Hello! its from package two	✓	
Compilation error at Line 2 : The method display() from the type Parent is not visible		✓
It prints only : Hello! its from package two		
Compilation error at Line 1 : Cannot widen the visibility of the inherited method		

Question 26:

Time: 51 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
public class StringTester{
    public static void main(String[] args) {
        String s = "Welcome ";
        s.concat("to Accenture");
        System.out.println(s);
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Welcome to Accenture	✓	
to Accenture		
null		
Welcome		✓

Question 27:

Time: 2 Min 16 Sec

Marks: 0/ 1

Refer the code given below:

```
public class Vehicle {  
    private int vehicleId;  
    private String vehicleName;  
    public Vehicle(int vehicleId, String vehicleName) {  
        this.vehicleId = vehicleId;  
        this.vehicleName = vehicleName;  
    }  
    // Assume Getters and Setters are coded  
}  
  
public class Car extends Vehicle {  
    private String carModel;  
    private double average;  
    //Line1  
    // Assume getters and Setters are already coded...  
}
```

Choose a valid Constructor implementation to be inserted at Line1 to make the above code compile successfully

Choose the most appropriate option.

Options	Response	Answer
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { this.carModel = carModel; this.average = average; }</pre>	✓	
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { super(vehicleId, vehicleName); //Java code to initialize carModel and average }</pre>		✓
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { //Java code to initialize carModel and average super(vehicleId, vehicleName); }</pre>		
<pre>public void Car(int vehicleId, String vehicleName, String carModel,double average) { super(vehicleId, vehicleName); //Java code to initialize carModel and average }</pre>		

Question 28:

Time: 28 Sec

Marks: 1 / 1

Which testing technique tests the functionality of the application without looking at the internal structure of the code?

- i. Black Box Testing
- ii. Assembly Testing
- iii. Product Testing
- iv. White Box Testing

Choose the most appropriate option.

Options	Response	Answer
White Box Testing		
Assembly Testing		
Product Testing		
Black Box Testing	✓	✓

Question 29:
Time: 32 Sec
Marks: 1 / 1

Which is the CORRRECT SQL statement to add the new column "DateOfJoining" to an existing table "Employee"?

Options	Response	Answer
CREATE TABLE Employee ADD DateOfJoining DATE;		
ALTER TABLE Employee MODIFY DateOfJoining DATE;		
ALTER TABLE Employee UPDATE DateOfJoining DATE;		
ALTER TABLE Employee ADD DateOfJoining DATE;	✓	✓

Question 30:
Time: 1 Min 7 Sec
Marks: 0 / 1

What will be the output of the following Java code?

```
1 package mypackage1;
2
3 public class Parent {
4     protected Parent(){
5         System.out.print("1 ");
6     }
7 }
8
9 package mypackage2;
10 import mypackage1.Parent;
11
12 public class Child extends Parent{
13     protected Child(){
14         System.out.println("2");
15     }
16 }
17
18 package mypackage2;
19
20 public class ApplicationTester {
21     public static void main(String[] args){
22         Child child = new Child();
23     }
24 }
```

Options	Response	Answer
2	✓	
Compilation error at Line 13: 'Child' constructor cannot be 'protected'		
1 2		✓
Compilation error at Line 4: 'Parent' constructor cannot be 'protected'		

Question 31:

Time: 43 Sec

Marks: 1/ 1

Consider table **Employee(EmployeeId, EmployeeName,DeptCode)** .

Which is the CORRECT SQL query to display the EmployeeId and EmployeeName of employees who are working in DeptCode 10 OR 20?

(i) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode IN (10,20);

(ii) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode = 10 OR DeptCode = 20;

Options	Response	Answer
Neither (i) nor (ii)		
Only (ii)		
Only (i)		
Both (i) and (ii)	✓	✓

Question 32:

Time: 4 Min 38 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
public class StaticTester{  
    private static int count;  
    public static void main(String[] args) {  
        count++;  
        new StaticTester().count++;  
        StaticTester.count--;  
        StaticTester s = new StaticTester();  
        s.count = s.count + 5;  
        StaticTester staticTester = new StaticTester();  
        System.out.println("Count is " +staticTester.count);  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Count is 6		✓
Count is 5	✓	
Count is 0		
Count is 1		

Question 33:

Time: 47 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
class Base {
    public void display() {
        System.out.println("Will I be displayed?");
    }
}

class Derived extends Base {
    public void display() {
        super.display();
        System.out.println("I will be displayed");
    }
}

public class ApplicationTester{
    public static void main(String[] args) {
        Derived derived = new Derived();
        derived.display();
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Will I be displayed?		
I will be displayed Will I be displayed?		
I will be displayed		
Will I be displayed? I will be displayed	✓	✓

Question 34:

Time: 1 Min 42 Sec

Marks: 1/ 1

Consider the Java code given below. When the code is executed, how many times "1" will be printed?

```
public class Tester{  
    public static void main(String[] args){  
        for(int i=0; i < 5; i++){  
            if(i > 2){  
                continue;  
            }  
            System.out.print(" 1 ");  
        }  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
3 times	✓	✓
5 times		
6 times		
2 times		

Question 35:

Time: 3 Min 43 Sec

Marks: 1/ 1

Consider the below tables are created and has some records.

Account(accountId,accountType,balance)

Transaction(transactionId,accountId,transactionType,amount)

AccountId in transaction table is a foreign key referring to accountId of account table.

Which is the CORRECT SQL statement to retrieve accountId and accountType for which more than three transactions are recorded?

Options	Response	Answer
<pre>SELECT accountId,accountType FROM account WHERE accountid IN(SELECT COUNT(transactionid) FROM transaction GROUP BY accountid HAVING COUNT(transactionid)>3);</pre>		
<pre>SELECT accountId,accountType FROM account WHERE accountid IN(SELECT accountid FROM transaction WHERE COUNT(transactionid)>3 GROUP BY accountid);</pre>		
<pre>SELECT accountId,accountType FROM account GROUP BY accountId HAVING COUNT(accountId)=(SELECT COUNT(accountid)FROM transaction GROUP BY accountid HAVING COUNT(transactionid)>3);</pre>		
<pre>SELECT accountId,accountType FROM account WHERE accountid IN(SELECT accountid FROM transaction GROUP BY accountid HAVING COUNT(transactionid)>3);</pre>	✓	✓

Question 36:

Time: 37 Sec

Marks: 1 / 1

Which is the CORRECT SQL Query to display names of employees which has third character as 't' and ends with 'n';

Options	Response	Answer
SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 't%n';		
SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE '__t%n';	✓	✓
SELECT EmployeeName FROM Employee WHERE EmployeeName = '__t%n';		
SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE '%t%n';		

Question 37:

Time: 50 Sec

Marks: 1 / 1

In HTML, Which is the CORRRECT code to display a hyper link "Click"?

[Note: While clicking on "Click" it should direct to accenture portal]

Options	Response	Answer
 Click 		
<a href="https://portal.accenture.com", Click 		
 https://portal.accenture.com 		
 Click 	✓	✓

Question 38:

Time: 47 Sec

Marks: 1/ 1

Assume that below code is present in the head tag of a HTML page.

```
<style>
.myclass{
    background-color: lightgrey;
    color:blue;
}
</style>
```

Which is the CORRECT way of using this style?

Options	Response	Answer
<h1 style="myclass">Welcome to My Homepage</h1>		
<h1 id="myclass">Welcome to My Homepage</h1>		
<h1 class=".myclass">Welcome to My Homepage</h1>		
<h1 class="myclass">Welcome to My Homepage</h1>	✓	✓

Question 39:

Time: 1 Min 13 Sec

Marks: 0/ 1

Which of the following statement/s is/are TRUE with respect to Agile?

- (1) Focuses on an iterative, incremental, and flexible approach to software development
- (2) Development of software takes place in sequential phases

Choose the most appropriate option

Options	Response	Answer
Only (2) is TRUE	✓	
Both (1) and (2) are TRUE		
Only (1) is TRUE		✓
Both (1) and (2) are FALSE		

Question 40:

Time: 3 Min 33 Sec

Marks: 1/ 1

What will be the output of the following Java code?

Vehicle.java

```
public class Vehicle {  
    private float enginePower;  
  
    public Vehicle(float enginePower){  
        this.enginePower = enginePower;  
    }  
    public float getEnginePower(){  
        return enginePower;  
    }  
}
```

FourWheeler.java

```
public class FourWheeler extends Vehicle{  
    private String type;  
    public FourWheeler(){  
        this.type = "LMV";  
    }  
    public FourWheeler(String type, float enginePower){  
        this.type = type;  
    }  
    public String getType(){  
        return type;  
    }  
}
```

InheritanceTester.java

```
public class InheritanceTester {  
    public static void main(String[] args){  
        FourWheeler vehicle = new FourWheeler("HMV", 3.5F);  
        System.out.println(vehicle.getType() + " " + vehicle.getEnginePower());  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
LMV 0.0		
Error in the code: Implicit super constructor Vehicle() is undefined. Must explicitly invoke another constructor	✓	✓
null 3.5		
HMV 3.5		

Question 41:

Time: 1 Min 16 Sec

Marks: 0/ 1

Which of the following statement(s) is/are TRUE?

- 1) GET method is the default form submission method
- 2) Check box is a multi select control

Options	Response	Answer
Only 1		
Neither 1 nor 2		
Both 1 and 2		✓
Only 2	✓	

Question 42:

Time: 19 Sec

Marks: 1/ 1

Arrange the following stages of Project Lifecycle according to SDLC.

- (1) Planning
- (2) Initiation
- (3) Closing
- (4) Execution

Choose the most appropriate option.

Options	Response	Answer
(1) - (2) - (4) - (3)		
(2) - (1) - (4) - (3)	✓	✓
(1) - (2) - (3) - (4)		
(2) - (1) - (3) - (4)		

Question 43:

Time: 1 Min 10 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
class Employee {
    public Employee() {
        System.out.println("From Constructor of Employee");
    }
}
public class Tester {
    public static void main(String[] args) {
        Employee[] employee = new Employee[5];
        employee[0] = new Employee(); //Line2
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error at Line2: Invalid assignment operation	✓	
Prints the "From Constructor of Employee" 6 times		
Prints the "From Constructor of Employee" 5 times		
Prints the "From Constructor of Employee" 1 times		✓

Question 44:

Time: 1 Min 37 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
public class ApplicationTester {  
    public static void main(String[] args){  
        int count = 0;  
        do {  
            count++;  
            if (count == 3){  
                continue;  
            }  
        } while(count < 5);  
        System.out.println(count);  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
4		
3	✓	
No output, as the loop will get into to infinite execution		
5		✓

Question 45:

Time: 51 Sec

Marks: 1/ 1

Consider the following Java code.

```
1 public abstract class Bank {  
2     protected double amount;  
3  
4     public Bank(){  
5         this.amount = 1000.0;  
6     }  
7     abstract public void createAccount();  
8     public double getAmount(){  
9         return this.amount;  
10    }  
11 }  
12  
13 public class MyBank extends Bank{  
14     public MyBank(){  
15         this.amount = 2000.0;  
16     }  
17 }  
18 }
```

The above code with respect to MyBank class has compilation error. Identify the CORRECT method to be included in MyBank class to make it error free.

Options	Response	Answer
<pre> 1 abstract public void createAccount() { 2 System.out.println("Account created") 3 } 4 </pre>		
<pre> 1 void createAccount() { 2 System.out.println("Account created") 3 } 4 </pre>		
<pre> 1 protected void createAccount() { 2 System.out.println("Account created") 3 } 4 </pre>		
<pre> 1 public void createAccount() { 2 System.out.println("Account created") 3 } 4 </pre>	✓	✓

Question 46:

Time: 33 Sec

Marks: 1/ 1

What are the benefits of ADM?

- (1) Project standardization and customization
- (2) Common project management framework

Choose the most appropriate option.

Options	Response	Answer
Neither (1) Nor (2)		
Only (2)		
Only (1)		
Both (1) and (2)	✓	✓

Question 47:

Time: 2 Min 20 Sec

Marks: 1 / 1

Consider table **Project**(projectId, projectType, budget).

Which is the CORRECT SQL statement to display projectId, projectType and budget of project which is having minimum budget in each project type?

Options	Response	Answer
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1 WHERE p1.budget IN(SELECT MIN(p2.budget) FROM project p2 WHERE p1.budget=p2.budget);</pre>		
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1 WHERE p1.budget IN(SELECT MIN(p2.budget) FROM project p2 WHERE p1.projectType=p2.projectType);</pre>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1 WHERE p1.budget IN(SELECT MIN(p2.budget) FROM project p2);</pre>		
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1 WHERE MIN(p1.budget)IN(SELECT MIN(p2.budget) FROM project p2 WHERE p1.projectType=p2.projectType);</pre>		

Question 48:

Time: 24 Sec

Marks: 1 / 1

Which of the following statement(s) are FALSE regarding Java Architecture?

- (i) Byte code or .class file is platform independent
- (ii) JVM is platform independent

Choose the most appropriate option.

Options	Response	Answer
Both (i) and (ii) are FALSE		
Only (ii) is FALSE	✓	✓
Only (i) is FALSE		
Both (i) and (ii) are TRUE		

Question 49:

Time: 35 Sec

Marks: 1 / 1

Which among the following are DevOps Principle?

- (i) Automate Everything
- (ii) Test early and often
- (iii) Strong source control

Choose the most appropriate option.

Options	Response	Answer
Only (i) and (iii)		
Only (i) and (ii)		
All (i), (ii) and (iii)	✓	✓
Only (ii) and (iii)		

Question 50:

Time: 2 Min 9 Sec

Marks: 1 / 1

Consider the table Salesman(SalesmanId, SalesmanName, TotalSales).

Which is the CORRECT SQL query to display details in the decreasing order (highest to lowest) of TotalSales and in the decreasing order of SalesmanId in case TotalSales is the same.

Options	Response	Answer
<pre>SELECT SalesmanId, SalesmanName, TotalSales FROM Salesman ORDER BY TotalSales, SalesmanId DESC;</pre>		
<pre>SELECT SalesmanId, SalesmanName, TotalSales FROM Salesman ORDER BY TotalSales DESC, SalesmanId;</pre>		
<pre>SELECT SalesmanId, SalesmanName, TotalSales FROM Salesman ORDER BY TotalSales, SalesmanId;</pre>		
<pre>SELECT SalesmanId, SalesmanName, TotalSales FROM Salesman ORDER BY TotalSales DESC, SalesmanId DESC;</pre>	✓	✓



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Test Taken on: February 28, 2019 03:22:25 PM IST

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Registration Details

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Overall Summary

MARKS SCORED

	Score	Percentile	Percentage
Section #1	30 / 50	23	60
Total	30 / 50	23	60

Percentile is among 2460 candidate(s) who've taken this test.

SUMMARY OF ATTEMPTS

20 Incorrect
(Scored 0/20)**30 Correct**
(Scored 30/30)

TIME TAKEN

1	20
hr	min

Available time: 1 hr 20 min

TOTAL QUESTIONS

50

Question-wise Details

Section #1

Question 1:

Time: 57 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class Person{  
    public void talk(){  
        System.out.print("I am a Person");  
    }  
}  
  
public class Student extends Person{  
    public void talk(){  
        System.out.print("I am a Student");  
    }  
}  
  
public class Test{  
    public static void main(String args[]){  
        Person p = new Student();  
        p.talk();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
I am a Person I am a Student		
I am a Student I am a Person		
I am a Person		
I am a Student	✓	✓

Question 2:

Time: 1 Min 48 Sec

Marks: 1/ 1

Consider the following tables:

Account(AccountNumber, AccountOpeningDate, Balance). Here AccountNumber is

the primary key.

Transaction(TransactionId, AccountNumber, DateOfTransaction, Amount, TransactionType);

Here TransactionId is the primary key and AccountNumber is the foreign key

referencing AccountNumber in Account table.

Which is the CORRECT query to display AccountNumber and balance of accounts on which NO transaction was done after '31-Dec-2015';

Options	Response	Answer
<pre>SELECT AccountNumber,Balance FROM Account WHERE AccountNumber IN (SELECT AccountNumber FROM Transaction WHERE DateOfTransaction > '31-Dec- 2015');</pre>		

<pre>SELECT AccountNumber,Balance FROM Account WHERE AccountNumber NOT IN (SELECT AccountNumber FROM Transaction WHERE DateOfTransaction > '31-Dec- 2015');</pre>	✓	✓
<pre>SELECT AccountNumber,Balance FROM Account WHERE AccountNumber NOT IN (SELECT AccountNumber FROM Transaction);</pre>		
<pre>SELECT AccountNumber,Balance FROM Account WHERE AccountNumber NOT IN (SELECT AccountNumber FROM Transaction WHERE DateOfTransaction = '31-Dec- 2015');</pre>		

Question 3:

Time: 38 Sec

Marks: 1 / 1

Which of the following is/are DevOps Principle?

- (1) Continuous improvement
- (2) Test early and often

Choose the most appropriate option.

Options	Response	Answer
Both (1) and (2)	✓	✓
Only (1)		
Only (2)		
Neither (1) Nor (2)		

Question 4:

Time: 1 Min 59 Sec

Marks: 0/1

What will be the output of the following Java code?

```

1 public interface Bank{
2     void createAccount();
3     public void applyForLoan();
4 }
5
6 public class MyBank implements Bank{
7     void createAccount(){
8         System.out.println("Account in MyBank");
9     }
10    public void applyForLoan(){
11        System.out.println("Loan in MyBank");
12    }
13 }
14
15 public class BankTester{
16     public static void main(String[] args){
17         Bank b = new MyBank();
18         b.applyForLoan();
19     }
20 }
21

```

Options	Response	Answer
Compilation error at Line 17: cannot have reference of 'Bank' type		
Compilation error at Line 2: 'public' is missing		
Compilation error at Line 7: Cannot reduce the visibility of the inherited method from Bank		✓
Loan in MyBank	✓	

Question 5:
Time: 16 Sec
Marks: 1/ 1

Which is the CORRECT SQL Query to display names of employees which has only 3 letters that starts with 'A' and ends with 'e'?

Options	Response	Answer
SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A%e';		
SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A_e';	✓	✓
SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE '__e';		
SELECT EmployeeName FROM Employee WHERE EmployeeName = 'A_e';		

Question 6:
Time: 1 Min 33 Sec
Marks: 1/ 1

There is a requirement to create a web page with a text box. The page should be loaded with a value "Hello" in the text box. Which is the CORRECT html code to meet the above requirement?

Options	Response	Answer
<html> <input type="text" onLoad="Hello"/> </html>		
<html> <input type="text" name="Hello"/> </html>		
<html> <input type="text" value="Hello"/> </html>	✓	✓
<html> <input type="text" id="Hello"/> </html>		

Question 7:
Time: 5 Sec
Marks: 1/ 1

In HTML, which tag is used to display an ordered list?

Options	Response	Answer
	✓	✓
<dl>		
<u>		
		

Question 8:
Time: 17 Sec
Marks: 1/ 1

What will be the output of the following Java code?

```
public class ApplicationTester {  
    public static void main(String[] args){  
        int data = 20;  
        switch(data){  
            case 20:  
                System.out.print(" Twenty ");  
            case 10:  
                System.out.print(" Ten ");  
            case 0:  
                System.out.print(" Zero ");  
        }  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Program will display "Twenty Ten Zero"	✓	✓
Program will display "Twenty Ten"		
Program will display "Ten Zero"		
Program will display "Twenty"		

Question 9:

Time: 23 Sec

Marks: 1/ 1

Refer the class declarations given below:

```
class A{ }  
  
class B extends A{ }  
  
class C extends B{ }  
  
class D extends C{ }
```

Identify the INCORRECT statement.

Choose the most appropriate option.

Options	Response	Answer
B b=new D();		
C c=new C();		
C c=new B();	✓	✓
A a = new D();		

Question 10:

Time: 2 Min 19 Sec

Marks: 0/1

Refer the code given below:

```
Employee emp = new Employee();
Employee emp1 = new Employee();
emp = new Employee();
Employee emp2=new Employee();
emp=null;
emp2=emp;
//Line1
```

Assume class Employee is a valid Java class.

How many objects are eligible for garbage collection at Line1.

Choose the most appropriate option.

Options	Response	Answer
3		✓
2	✓	
1		
4		

Question 11:

Time: 1 Min 4 Sec

Marks: 1/1

Assume that table **Player** has the following records.

PlayerId	Salary	PlayerAverage
P1	25000	75.5
P2	20000	70
P3	22000	70.5

How many row(s) will be deleted after executing the SQL statement given below?

DELETE FROM Player WHERE Salary>20000 OR PlayerAverage<=70;

Options	Response	Answer
2		
1		
3	✓	✓
0		

Question 12:

Time: 4 Min 48 Sec

Marks: 1 / 1

Consider the table **Employee** (EmployeeId, Name, CareerLevel, Salary).

Which is the CORRECT SQL query to display EmployeeId, Name, CareerLevel and Salary of employees who are getting the maximum salary in each career level?

Options	Response	Answer

SELECT EmployeeId, Name, CareerLevel, Salary		
FROM Employee E1 WHERE Salary IN(
SELECT max(Salary) FROM Employee E2		
WHERE E2.salary = E1.salary);		

SELECT EmployeeId, Name, CareerLevel, Salary		
FROM Employee E1 WHERE max(Salary) IN		
(SELECT max(Salary) FROM Employee E2		
WHERE E2.CareerLevel = E1.CareerLevel);		

SELECT EmployeeId, Name, CareerLevel, Salary		
FROM Employee E1 WHERE Salary IN		
(SELECT max(Salary) FROM Employee E2);		

```

SELECT EmployeeId, Name,
CareerLevel, Salary

FROM Employee E1 WHERE Salary IN

(SELECT max(Salary) FROM
Employee E2

WHERE E2.CareerLevel =
E1.CareerLevel);

```


Question 13:
Time: 13 Sec
Marks: 1/ 1

Arrange the following stages of Project Lifecycle according to SDLC.

- (1) Planning
- (2) Initiation
- (3) Closing
- (4) Execution

Choose the most appropriate option.

Options	Response	Answer
(2) - (1) - (3) - (4)		
(1) - (2) - (3) - (4)		
(2) - (1) - (4) - (3)	✓	✓
(1) - (2) - (4) - (3)		

Question 14:
Time: 35 Sec
Marks: 1/ 1

Assume that below code is present in the head tag of a HTML page.

```
<style>
.myclass{
    background-color: lightgrey;
    color:blue;
}
</style>
```

Which is the CORRECT way of using this style?

Options	Response	Answer
<h1 style="myclass">Welcome to My Homepage</h1>		
<h1 class=".myclass">Welcome to My Homepage</h1>		
<h1 class="myclass">Welcome to My Homepage</h1>	✓	✓
<h1 id="myclass">Welcome to My Homepage</h1>		

Question 15:**Time: 1 Min 23 Sec****Marks: 0/ 1**

What will be the output of the following Java code?

```
public class BookingSeats {
    int resv_seat= 6;
    static int available_seats = 45;

    public static void main(String args[]) {
        BookingSeats t1 = new BookingSeats();
        BookingSeats t2 = new BookingSeats();
        t1.resv_seat = 12;
        t1.available_seats = 10;
        t2.resv_seat = 14;
        t2.available_seats = 20;
        System.out.println(t1.resv_seat + " " + t1.available_seats + " " + t2.resv_seat + " " + t2.available_seats);

    }
}
```

Choose the most appropriate option.

Options	Response	Answer
12 10 14 20		
12 45 14 45	✓	
12 20 14 20		✓
6 45 14 20		

Question 16:
Time: 2 Min 11 Sec
Marks: 1 / 1

What will be the output of the following Java code?

```
interface Message {
    void writeContent();
}

class Email implements Message {
    public void writeContent() {
        System.out.println("Email message");
    }
}

class SMS implements Message {
    public void writeContent() {
        System.out.println("SMS message");
    }
}

public class ApplicationTester{
    public static void main(String[] args) {
        Message message = new Email(); //Line-1
        message.writeContent();
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Email message	✓	✓
null		
Compilation error at Line-1: Cannot have a reference of interface type		
SMS message		

Question 17:
Time: 1 Min 21 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
public class ApplicationTester {
    public static void main(String[] args){
        int i=0;
        while(++i <= 5){
            System.out.print(i + " ");
            i++;
        }
        System.out.println(i);
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
3 5		
3 5 7		
1 3 5 7		✓
1 3 5	✓	

Question 18:
Time: 5 Min 59 Sec

Marks: 1/ 1

Refer the code given below:

```
public class Vehicle {  
    private int vehicleId;  
    private String vehicleName;  
    public Vehicle(int vehicleId, String vehicleName) {  
        this.vehicleId = vehicleId;  
        this.vehicleName = vehicleName;  
    }  
    // Assume Getters and Setters are coded  
}  
  
public class Car extends Vehicle {  
    private String carModel;  
    private double average;  
    //Line1  
    // Assume getters and Setters are already coded...  
}
```

Choose a valid Constructor implementation to be inserted at Line1 to make the above code compile successfully

Choose the most appropriate option.

Options	Response	Answer
<pre>public void Car(int vehicleId, String vehicleName, String carModel,double average) { super(vehicleId, vehicleName); //Java code to initialize carModel and average }</pre>		
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { //Java code to initialize carModel and average super(vehicleId, vehicleName); }</pre>		
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { super(vehicleId, vehicleName); //Java code to initialize carModel and average }</pre>	✓	✓
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { this.carModel = carModel; this.average = average; }</pre>		

Question 19:

Time: 1 Min 57 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
class Employee{  
    public void display(){  
        System.out.print(" Employee ");  
    }  
}  
  
class Trainee extends Employee{  
    public void display(){  
        System.out.print(" Trainee ");  
        super.display(); // Line X  
    }  
}  
  
public class DynamicBindingTester{  
    public static void main(String[] args) {  
        Employee e=new Trainee(); // Line Y  
        e.display();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Employee Trainee		
Compilation Error at Line X: Parent class method invocation should be the first statement inside the method	✓	
Trainee Employee		✓
Compilation Error at Line Y: Invalid reference type		

Question 20:**Time: 1 Min 15 Sec****Marks: 0/1**

John and Peter are working on a Java project. John is using Windows platform and Peter is using Unix platform. In order for Peter to execute John's Java code which file John should share with Peter?

Choose the most appropriate option.

Options	Response	Answer
Source Code (.java file)		
Both Byte Code (.class file) and Source Code (.java file)		
Both Source Code (.java file) and JVM	✓	
Byte Code (.class file)		✓

Question 21:

Time: 25 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
class MyClass{
    public static void main(String[] args) {
        char value='2';
        switch(value){
            case 1:
                System.out.println("one");
            case 2:
                System.out.println("two ");
            case 3:
                System.out.println("three");
            default:
                System.out.println("default");
        }
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
one two three default		
two three default	✓	
two three		
default		✓

Question 22:

Time: 48 Sec

Marks: 1 / 1

Refer the HTML code given below.

```
<html>

<body>

<table border="1">

<tr> <th colspan="2"> Customer Details </th><th>Regular</th>

<tr> <th>cid</th> <th>cname</th> <th>phone</th> </tr>

<tr> <td>100</td> <td>Jack</td> <td>5655765</td> </tr>

<tr> <td>101</td> <td>John</td> <td rowspan="2">8989092</td> </tr>

<tr> <td>102</td> <td>James</td> </tr>

</table>

</body>

</html>
```

How many cells will be displayed when the page is displayed on the browser?

Options	Response	Answer
10		
14		
11		
13	✓	✓

Question 23:

Time: 6 Min 16 Sec

Marks: 1/ 1

Consider the following tables:

Nominee(NomineeId, NomineeName, DateOfBirth, Relationship)

Account(AccountNumber, OpeningDate, Balance, NomineeId)

Which is the CORRECT SQL query to display AccountNumber, OpeningDate, NomineeName, DateOfBirth, Relationship of accounts including the accounts for which there are NO nominees?

Options	Response	Answer
<pre> SELECT Account.AccountNumber,Account.Ope ningDate,Nominee.NomineeName, Nominee.DateOfBirth,Nominee.Relatio nship FROM Nominee LEFT OUTER JOIN Account ON Account.NomineeId = Nominee.NomineeId; </pre>		
<pre> SELECT Account.AccountNumber,Account.Ope ningDate,Nominee.NomineeName, Nominee.DateOfBirth,Nominee.Relatio nship FROM Account LEFT OUTER JOIN Nominee ON Account.NomineeId = Nominee.NomineeId; </pre>	✓	✓
<pre> SELECT Account.AccountNumber,Account.Ope ningDate,Nominee.NomineeName, Nominee.DateOfBirth,Nominee.Relatio nship FROM Account CROSS JOIN Nominee; </pre>		
<pre> SELECT Account.AccountNumber,Account.Ope ningDate,Nominee.NomineeName, Nominee.DateOfBirth,Nominee.Relatio nship FROM Account INNER JOIN Nominee ON Account.NomineeId = Nominee.NomineeId; </pre>		

Question 24:

Time: 38 Sec

Marks: 1/ 1

Refer the JavaScript code given below.

```
<html>

<head>

<script>

function aFun(){

var num1=111;

var num2="111";

alert(num1==num2) //Line1

alert(num1===num2) //Line2

}

</script>

</head>

<button onclick='aFun()'>Click</button>

</html>
```

When the above code is executed, what will be the output produced by Line1 and Line2?

Options	Response	Answer
Output from Line1: true, Output from Line2: true		
Output from Line1: true, Output from Line2: false	✓	✓
JavaScript will show a compilation error as "===" is not defined		
Output from Line1: false, Output from Line2: true		

Question 25:

Time: 4 Min 17 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
Base.java
public class Base {
    public void display(int n){
        System.out.println(n);
    }
}
```

```
Derived.java
public class Derived extends Base{
    public void display(){ //Line-1
        System.out.println("display overloaded");
    }
}
```

```
OverloadingTester.java
public class OverloadingTester {
    public static void main(String[] args){
        Base ref = new Derived();
        ref.display(10); //Line-2
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
10		✓
Compilation error at Line-1: 'display' from 'Base' class is not overridden	✓	
Compilation error at Line-2: 'display(int)' is not visible for 'Base' type		
0		

Question 26:
Time: 33 Sec
Marks: 1/ 1

Performance feedback allows which of the following actions?

- (1) To take action to improve your skills and performance so you are effective in your current and future roles
- (2) To have your say about how you think your colleagues are performing

Choose the most appropriate option.

Options	Response	Answer
Only (2)		
Both (1) and (2)		
Neither (1) Nor (2)		
Only (1)	✓	✓

Question 27:
Time: 3 Min 22 Sec
Marks: 0/ 1

What will be the output of the following Java code?

```
1 package mypackage1;
2
3 public class Parent {
4     protected Parent(){
5         System.out.print("1 ");
6     }
7 }
8
9 package mypackage2;
10 import mypackage1.Parent;
11
12 public class Child extends Parent{
13     protected Child(){
14         System.out.println("2");
15     }
16 }
17
18 package mypackage2;
19
20 public class ApplicationTester {
21     public static void main(String[] args){
22         Child child = new Child();
23     }
24 }
```

Options	Response	Answer
Compilation error at Line 13: 'Child' constructor cannot be 'protected'		
1 2		✓
2	✓	
Compilation error at Line 4: 'Parent' constructor cannot be 'protected'		

Question 28:

Time: 2 Min 56 Sec

Marks: 1/ 1

What will be the output of the following Java code?

Bank.java

```
public abstract class Bank {  
    private String bankName;  
  
    public Bank(String bankName){  
        this.bankName = bankName;  
    }  
    public abstract void createAccount();  
  
    public String getBankName(){  
        return bankName;  
    }  
}
```

FriendlyBank.java

```
public class FriendlyBank extends Bank {  
    public FriendlyBank (String bankName){  
        super(bankName);  
    }  
    public void createAccount(){  
        System.out.println("Friendly Bank Account");  
    }  
}
```

AbstractClassTester.java

```
public class AbstractClassTester {  
    public static void main(String[] args){  
        Bank bank = new FriendlyBank("Friendly Bank");  
        System.out.print(bank.getBankName() + " ");  
        bank.createAccount();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error: Cannot use reference 'bank' of abstract type		
null Friendly Bank Account		
Compilation error: Abstract class Bank cannot have constructor		
Friendly Bank Friendly Bank Account	✓	✓

Question 29:
Time: 1 Min 3 Sec

Marks: 1/ 1

Consider the table Student(StudentId, StudentName, Email, PercentageOfMarks).

Which is the CORRECT query to display the details in the decreasing order (highest to lowest) of PercentageOfMarks and in the alphabetical order (A-Z) of StudentName in case PercentageOfMarks is the same.

Options	Response	Answer
<pre>SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentName;</pre>		
<pre>SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentName;</pre>	✓	✓
<pre>SELECT StudentId, StudentName, Email, PercentageOfMarks FROM Student ORDER BY PercentageOfMarks DESC, StudentName DESC;</pre>		
<pre>SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY StudentName, PercentageOfMarks DESC;</pre>		

Question 30:

Time: 36 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
public class StringTester{
    public static void main(String[] args) {
        String s1=new String("Accenture");
        String s2=new String("India Limited");
        s1.concat(s2);
        System.out.println(s1);
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
India Limited		
Accenture India		
Accenture India Limited		
Accenture	✓	✓

Question 31:

Time: 1 Min 33 Sec

Marks: 1/ 1

Table **Account(acId, accType, balance)** has some records.

Identify the CORRECT SQL statement to display acId and balance after adding 1000 to the existing balance amount.

Options	Response	Answer
SELECT acId, balance+1000 AS "New Balance" FROM account;	✓	✓
SELECT acId, balance+1000 AS New Balance FROM account;		
SELECT acId, "New Balance" AS balance+1000 FROM account;		
SELECT acId, balance AS balance+1000 FROM account;		

Question 32:

Time: 27 Sec

Marks: 1 / 1

Consider the table **Account(accountId, accountType,balance)**.

Which is the CORRECT SQL statement to display all unique accountTypes from account table?

Options	Response	Answer
SELECT DISTINCT ALL accountType FROM account		
SELECT ALL DISTINCT accountType FROM account;		
SELECT DISTINCT accountType FROM account;	✓	✓
SELECT (DISTINCT)accountType FROM account;		

Question 33:

Time: 2 Min 9 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
public class ApplicationTester {  
    public static void main(String[] args) {  
        char letterArray[]={‘a’,‘A’,‘h’,‘h’,‘m’,‘m’};  
        for(int index=0;index<letterArray.length;index++){  
            if(letterArray[index] == letterArray[index+1]){  
                break;  
            }  
            System.out.print(index + " ");  
        }  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
0 1 2 3		
0 1 2		
0 1	✓	✓
0 1 2 3 4		

Question 34:

Time: 44 Sec

Marks: 0/ 1

Which of the following is/are TRUE with respect to Grey Box Testing?

- (a) Testing is based on the requirements and specifications of the system internals
- (b) Testing does not check the code or internal structure
- (c) Testing monitors an application to check if its behavior matches with the valid input

Choose the most appropriate option.

Options	Response	Answer
Only (a) is TRUE		✓
Both (a) and (b) are TRUE		
All (a), (b) and (c) are TRUE	✓	
Both (b) and (c) are TRUE		

Question 35:

Time: 1 Min 17 Sec

Marks: 0/ 1

Which of the following statement/s is/are VALID array declaration in JavaScript?

- (1) var mixed=['ABCD',1234,12.3,"Value","1"]
- (2) var arrayVar=[1,2,3,4]
- (3) var arrayVar={1,2,3,4}

Options	Response	Answer
Only (1)		
Both (2) and (3)	✓	
Both (1) and (2)		✓
All (1), (2) and (3)		

Question 36:
Time: 1 Min 15 Sec
Marks: 0 / 1

What will be the output of the following Java code?

```
public class ApplicationTester{
    public static void main(String[] args){
        int array[] ={12,54,78,25,63,98,19};
        int index=1;
        int sum;
        while(index<array.length){
            sum=0;
            sum=sum+array[index];
            System.out.print(sum+" ");
        }
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
infinitely prints 12		
infinitely prints 54		✓
54 78 25 63 98 19		
12 54 78 25 63 98 19	✓	

Question 37:
Time: 1 Min 40 Sec
Marks: 1 / 1

Refer the code given below:

```
package pack1;
public class Vehicle {
protected Vehicle(){
System.out.println("From Constructor Of Vehicle");
}
void displayDetails() {
System.out.println("Vehicle displayDetails method");
}
}
```

```
package pack2;
import pack1.Vehicle;
public class Car extends Vehicle {
public void displayCarDetails() {
System.out.println("Car displayDetails method");
}
}
```

```
package pack2;
import pack1.Vehicle;
public class Tester{
public static void main(String[] args) {
Vehicle vehicle = new Car(); //Line1
vehicle.displayDetails(); //Line2
}
}
```

Choose a valid option from below that represents the output of the above code:

Choose the most appropriate option.

Options	Response	Answer
From Constructor Of Vehicle Car displayDetails method		
Error at Line1 Vehicle constructor is not visible		
Error at Line2 displayDetails() method is not visible	✓	✓
From Constructor Of Vehicle Vehicle displayDetails method		

Question 38:

Time: 30 Sec

Marks: 1/ 1

Which of the following statement(s) is/are TRUE?

- 1) JavaScript is case sensitive
- 2) JavaScript can be placed only in head tag
- 3) JavaScript can be placed both in head tag and body tag
- 4) JavaScript is used for client side validations

Options	Response	Answer
1,3 and 4 only	✓	✓
3 and 4 only		
1,2,3 and 4		
2,3 and 4 only		

Question 39:

Time: 1 Min 10 Sec

Marks: 1/ 1

Consider table **Account(customerid, accountid, accounttype,balance)** has been created with customerid as primary key.
Identify ALTER statement which executes successfully on account table. [Note: Table has no records]

Options	Response	Answer
ALTER TABLE Account ADD CONSTRAINT PRIMARY KEY(customerid, accountid);		
ALTER TABLE Account ADD CONSTRAINT acc_chek CHECK(accounttype IN('C','S'));	✓	✓
ALTER TABLE Account DROP Balance;		
ALTER TABLE Account ADD CONSTRAINT acc_null NOT NULL(accounttype);		

Question 40:

Time: 33 Sec

Marks: 0/ 1

What will be the output of the following Java code?

Employee.java

```
public class Employee {  
    private int employeeId;  
    private String employeeName;  
  
    public Employee(){  
        this.employeeName = null;  
        this.employeeId = 0;  
        System.out.println("Employee Constructor");  
    }  
}
```

ArrayOfObjectsTester.java

```
public class ArrayOfObjectsTester {  
    public static void main(String[] args){  
        Employee[] employee = new Employee[3]; //Line-1  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Employee Constructor will be displayed 3 times		
Program will display nothing		✓
Compilation error at Line-1: Invalid array declaration	✓	
Employee Constructor will be displayed once		

Question 41:
Time: 31 Sec
Marks: 0/ 1

Consider the following Java code. Identify the relationship between class Employee and class PartTimeEmployee.

```
public class Employee {
    private int empld;
    private String empName;

}

public class PartTimeEmployee extends Employee {
    private float noOfHours;
}
```

Choose the most appropriate option.

Options	Response	Answer
Realization		
Composition		
Aggregation	✓	
Generalization		✓

Question 42:
Time: 3 Min 12 Sec
Marks: 0/ 1

Assume that my_style.css is an existing and a valid css file. Which is the CORRECT way to refer this external style sheet?

Options	Response	Answer
<style rel="stylesheet" type="text/css" href= "my_style.css" />	✓	
<link rel="stylesheet" type="text/css" href= "my_style.css" />		✓
<stylesheet type="text/css" href= "my_style.css" />		
<link> href= "my_style.css" </link>		

Question 43:

Time: 1 Min 17 Sec

Marks: 0/1

Which of the following are characteristics of Agile?

- a. Deliver working software frequently, from a couple of weeks to a couple of months
- b. Working software is the primary measure of progress
- c. Comprehensive documentation

Choose the most appropriate option.

Options	Response	Answer
Both (b) and (c)		
All (a), (b) and (c)		
Both (a) and (b)		✓
Both (a) and (c)	✓	

Question 44:

Time: 2 Min 24 Sec

Marks: 0/1

Refer the code given below:

```
public class ApplicationTester{  
    public static void main(String[] args){  
        Employee emp = new Employee();  
    }  
}
```

Assume that class Employee is a valid Java class having instance variables as (employeeId of type integer and employeeName of type String).

Choose from below a VALID option.

Options	Response	Answer
emp is created on heap along with employeeId and employeeName		
As emp is local to main method all emp, employeeId and employeeName are created on stack		
emp reference variable is created on stack and employeeId and employeeName are created on heap		✓
emp reference variable is created on heap and employeeId and employeeName are created on stack	✓	

Question 45:

Time: 27 Sec

Marks: 1 / 1

What are the benefits of ADM?

- (1) Project standardization and customization
- (2) Common project management framework

Choose the most appropriate option.

Options	Response	Answer
Both (1) and (2)	✓	✓
Only (1)		
Only (2)		
Neither (1) Nor (2)		

Question 46:
Time: 20 Sec
Marks: 1/ 1

Which of the following statement/s is/are TRUE with respect to Community Cloud?

- (1) Exclusively owned and operated by a single organization
- (2) Available for use by a shared community consisting of several organizations

Choose the most appropriate option.

Options	Response	Answer
Only (1)		
Both (1) and (2)		
Neither (1) Nor (2)		
Only (2)	✓	✓

Question 47:
Time: 4 Min 12 Sec
Marks: 0/ 1

Consider the tables given below.

Customer(customerId,(customerName)

Book(bookId, bookName)

Purchase(purchaseId, bookId, customerId)

bookId and customerId in purchase table are foreign keys referring to Book and Customer tables respectively. Which is the CORRECT SQL statement to retrieve customer name and book name for all books purchased by customers.

Options	Response	Answer
<pre> SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p ON c.customerId=p.customerId SELF JOIN book b ON b.bookid=p.bookid; </pre>		
<pre> SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p ON c.customerId=p.customerId INNER JOIN book b ON b.bookid=p.bookid; </pre>		✓
<pre> SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p ON c.customerId=p.customerId; </pre>	✓	
<pre> SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p INNER JOIN book b ON b.bookid=p.bookid AND c.customerId=p.customerId; </pre>		

Consider the table **Course** (CourseCode, CourseName, DurationInDays).

The following constraints to be enforced.

1. CourseCode is mandatory and also unique.
2. CourseCode helps to identify the courses.
3. CourseName cannot be duplicated.
4. DurationInDays Should be between 1 and 5;

Identify the CORRECT SQL statement to create the Course table with the above mentioned constraints:

Options	Response	Answer
<pre>CREATE TABLE Course(CourseCode Varchar2(10) CONSTRAINT Course_Pkey PRIMARY KEY, CourseName Varchar2(50) CONSTRAINT Course_Nnull NOT NULL, DurationInDays Number(1) CONSTRAINT Course_Check CHECK (DurationInDays BETWEEN 1 AND 5));</pre>		
<pre>CREATE TABLE Course(CourseCode Varchar2(10) CONSTRAINT Course_Pkey PRIMARY KEY, CourseName Varchar2(50) CONSTRAINT Course_Unique UNIQUE, DurationInDays Number(1) CONSTRAINT Course_Check CHECK (DurationInDays BETWEEN 1 AND 5));</pre>	✓	✓

<pre> CREATE TABLE Course(CourseCode Varchar2(10) CONSTRAINT Course_Unique1 UNIQUE, CourseName Varchar2(50) CONSTRAINT Course_Unique2 UNIQUE, DurationInDays Number(1) CONSTRAINT Course_Check CHECK (DurationInDays BETWEEN 1 AND 5)); </pre>		
<pre> CREATE TABLE Course(CourseCode Varchar2(10) CONSTRAINT Course_NNull NOT NULL, CourseName Varchar2(50) CONSTRAINT Course_Unique UNIQUE, DurationInDays Number(1) CONSTRAINT Course_Check CHECK (DurationInDays BETWEEN 1 AND 5)); </pre>		

Question 49:

Time: 32 Sec

Marks: 0/ 1

You are working on a critical project. Due to some project requirement you are asked to share sensitive information with others. Which among the following actions you will perform?

- a. Don't share any sensitive information with anyone
- b. Label the information as "Restricted" so that no one tries to access the information
- c. Use encryption for secure sharing of information

Choose the most appropriate option.

Options	Response	Answer
Only (c)		<input checked="" type="checkbox"/>
Both (a) and (b)		
Only (b)		
Only (a)	<input checked="" type="checkbox"/>	

Question 50:

Time: 1 Min 23 Sec

Marks: 0/ 1

Choose the CORRECT statement(s) with respect to aggregate functions

- a) MAX and MIN functions can be applied only on numeric column
- b) SUM function can be applied on alpha numeric column
- c) COUNT(*) counts the number of rows in the table including NULL
- d) Aggregate functions are applied on multiple columns

Options	Response	Answer
d only		
c only		✓
a and b only	✓	
c and d only		



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Test Taken on: February 28, 2019 03:06:48 PM IST
Finish State: Normal

Registration Details

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Overall Summary

MARKS SCORED

	Score	Percentile	Percentage
Section #1	46 / 50	96	92
Total	46 / 50	96	92

Percentile is among 2399 candidate(s) who've taken this test.

SUMMARY OF ATTEMPTS

4 Incorrect
(Scored 0/4)



46 Correct
(Scored 46/46)

TIME TAKEN

1	2
hr	min

Available time: 1 hr 20 min

TOTAL QUESTIONS

50

Question-wise Details

Section #1

Question 1:

Time: 38 Sec

Marks: 1/ 1

Which of the following is/are TRUE with respect to method overloading?

- a. Method name should be the same
- b. Return type of the methods should be the same
- c. Number of parameter and sequence of parameter must be different

Choose the most appropriate option.

Options	Response	Answer
Both (a) and (b) are TRUE		
Both (a) and (c) are TRUE	✓	✓
Only (a) is TRUE		
Both (b) and (c) are TRUE		

Question 2:

Time: 33 Sec

Marks: 1/ 1

You are working on a critical project. Due to some project requirement you are asked to share sensitive information with others. Which among the following actions you will perform?

- a. Don't share any sensitive information with anyone
- b. Label the information as "Restricted" so that no one tries to access the information
- c. Use encryption for secure sharing of information

Choose the most appropriate option.

Options	Response	Answer
Both (a) and (b)		
Only (b)		
Only (a)		
Only (c)	✓	✓

Question 3:

Time: 1 Min 46 Sec

Marks: 1 / 1

What will be the output of the following Java code?

Policy.java

```
public class Policy {  
    private void readPolicy(){  
        System.out.println("Policy - readPolicy()");  
    }  
    public void writePolicy(){  
        System.out.println("Policy - writePolicy()");  
    }  
}
```

MoneyBackPolicy.java

```
public class MoneyBackPolicy extends Policy{  
    public void readPolicy(){  
        System.out.println("MoneyBackPolicy - readPolicy()");  
    }  
    public void writePolicy(){  
        System.out.println("MoneyBackPolicy - writePolicy()");  
    }  
}
```

DynamicBindingTester.java

```
public class DynamicBindingTester {  
    public static void main(String[] args){  
        Policy policy = new MoneyBackPolicy();  
        policy.readPolicy();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
MoneyBackPolicy - readPolicy()		
There is no error in the code, but the code will not display any output.		
Compilation error: The method readPolicy() from the type Policy is not visible	✓	✓
Policy - readPolicy()		

Question 4:

Time: 25 Sec

Marks: 1 / 1

Consider the table **Account(accountId, accountType,balance)**.

Which is the CORRECT SQL statement to display all unique accountTypes from account table?

Options	Response	Answer
SELECT ALL DISTINCT accountType FROM account;		
SELECT DISTINCT ALL accountType FROM account		
SELECT DISTINCT accountType FROM account;	✓	✓
SELECT (DISTINCT)accountType FROM account;		

Question 5:

Time: 1 Min 11 Sec

Marks: 1 / 1

Consider the below tables.

Publisher(PublisherCode, PublisherName, Address, Email). Here PublisherCode is the primary key;

Book (ISBN, Title, Author, Price, PublisherCode). Here ISBN is the Primary Key and PublisherCode is the foreign key referencing the PublisherCode in Publisher table.

Which is the CORRECT SQL query to display ISBN, Title, Author, PublisherCode and PublisherName for all the books.

Options	Response	Answer
<pre>SELECT Book.ISBN, Book.Title, Book.Author, Book.PublisherCode, Publisher.PublisherName FROM Book,Publisher;</pre>		
<pre>SELECT Book.ISBN, Book.Title, Book.Author, Book.PublisherCode, Publisher.PublisherName FROM Book SELF JOIN Publisher ON Book.PublisherCode = Publisher.PublisherCode;</pre>		
<pre>SELECT Book.ISBN, Book.Title, Book.Author, Book.PublisherCode, Publisher.PublisherName FROM Book INNER JOIN Publisher ON Book.PublisherCode = Publisher.PublisherCode;</pre>	✓	✓
<pre>SELECT ISBN,Title,Author,PublisherCode,Publis herName FROM Book INNER JOIN Publisher ON PublisherCode = PublisherCode;</pre>		

Question 6:

Time: 1 Min 50 Sec

Marks: 1/ 1

Consider table **Account(customerid, accountid, accounttype,balance)** has been created with customerid as primary key.
Identify ALTER statement which executes successfully on account table. [Note: Table has no records]

Options	Response	Answer
ALTER TABLE Account ADD CONSTRAINT acc_null NOT NULL(accounttype);		
ALTER TABLE Account ADD CONSTRAINT PRIMARY KEY(customerid, accountid);		
ALTER TABLE Account DROP Balance;		
ALTER TABLE Account ADD CONSTRAINT acc_chek CHECK(accounttype IN('C','S'));	✓	✓

Question 7:

Time: 2 Min 29 Sec

Marks: 1/ 1

Consider the following tables:

Account(AccountNumber, AccountOpeningDate, Balance). Here AccountNumber is

the primary key.

Transaction(TransactionId, AccountNumber, DateOfTransaction, Amount, TransactionType);

Here TransactionId is the primary key and AccountNumber is the foreign key

referencing AccountNumber in Account table.

Which is the CORRECT query to display AccountNumber and balance of accounts on which NO transaction was done after '31-Dec-2015';

Options	Response	Answer
---------	----------	--------

<pre>SELECT AccountNumber,Balance FROM Account WHERE AccountNumber IN (SELECT AccountNumber FROM Transaction WHERE DateOfTransaction > '31-Dec- 2015');</pre>		
---	--	--

<pre>SELECT AccountNumber,Balance FROM Account WHERE AccountNumber NOT IN (SELECT AccountNumber FROM Transaction WHERE DateOfTransaction = '31-Dec- 2015');</pre>		
--	--	--

<pre>SELECT AccountNumber,Balance FROM Account WHERE AccountNumber NOT IN (SELECT AccountNumber FROM Transaction WHERE DateOfTransaction > '31-Dec- 2015');</pre>	✓	✓
---	---	---

```
SELECT AccountNumber,Balance  
FROM Account
```

```
WHERE AccountNumber NOT IN
```

```
(SELECT AccountNumber FROM  
Transaction);
```

Question 8:**Time: 42 Sec****Marks: 1/ 1**

Refer the Incomplete JavaScript code given below:

```
<script>  
  
var gVar='This is global value';  
  
function aFun(){  
  
    var gVar='Local Data1';  
  
    //Line1  
  
}  
  
</script>  
  
<button onclick='aFun()'>Click</button>
```

Identify the CORRECT option which if placed at Line1 will display the alert message 'This is global value'

Options	Response	Answer
alert(global.gVar)		
alert(window.gVar)	✓	✓
alert(gVar)		
alert(document.gVar)		

Question 9:

Time: 1 Min 22 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class OverloadTester{  
    public static void main(String[] args) {  
        new OverloadSample().calculate(10, 20);  
    }  
  
    public void calculate(int num1, int num2) {  
        System.out.println("Inside calculate integer");  
    }  
  
    public void calculate(long num1, long num2) {  
        System.out.println("Inside calculate long");  
    }  
  
    public void calculate(float num1, float num2) {  
        System.out.println("Inside calculate float");  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Inside calculate float		
Inside calculate long		
Compilation Error: Ambiguous call to calculate() method in type OverloadTester		
Inside calculate integer	✓	✓

Question 10:

Time: 1 Min 48 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class Tester{  
    public static void main(String[] args){  
        int array[] = new int[3];  
        for (int i = 0; i < array.length; i++){  
            System.out.print(array[i] + " ");  
        }  
        System.out.print("--Done--");  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
--Done--		
0 0 0 --Done--	✓	✓
Compilation error as array values have not been initialized		
0 --Done--		

Question 11:

Time: 27 Sec

Marks: 1 / 1

Which among the following are DevOps Principle?

- (i) Automate Everything
- (ii) Test early and often
- (iii) Strong source control

Choose the most appropriate option.

Options	Response	Answer
Only (i) and (ii)		
Only (i) and (iii)		
All (i), (ii) and (iii)	✓	✓
Only (ii) and (iii)		

Question 12:

Time: 17 Sec

Marks: 1/ 1

Assume that my_style.css is an existing and a valid css file. Which is the CORRECT way to refer this external style sheet?

Options	Response	Answer
<link rel="stylesheet" type="text/css" href= "my_style.css" />	✓	✓
<style rel="stylesheet" type="text/css" href= "my_style.css" />		
<stylesheet type="text/css" href= "my_style.css" />		
<link> href= "my_style.css" </link>		

Question 13:

Time: 1 Min 58 Sec

Marks: 0/ 1

Consider the Java code given below:

```
public class MemoryTester{  
    public static void main(String[] args){  
        String company=new String("Accenture");  
        int employeeCount = 350000;  
    }  
}
```

Which of the following statement is TRUE with respect to the above code?

Choose the most appropriate option.

Options	Response	Answer
company' reference varibale, 'employeeCount' and String object all are created in Heap		
company' reference varialble and String object will be created in heap, but employeeCount will be created in Stack	✓	
'company' reference varibile, 'employeeCount' and String object all are created in Stack		
company' reference variable and 'employeeCount' will be created in Stack where as String object will be created in Heap		✓

Question 14:

Time: 39 Sec

Marks: 1/ 1

Performance feedback allows which of the following actions?

- (1) To take action to improve your skills and performance so you are effective in your current and future roles
- (2) To have your say about how you think your colleagues are performing

Choose the most appropriate option.

Options	Response	Answer
Only (2)		
Both (1) and (2)		
Only (1)	✓	✓
Neither (1) Nor (2)		

Question 15:

Time: 33 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class Tester{
    public static void main(String[] args){
        int num = 12;
        switch (num % 2) {
            default:
                System.out.print("Default ");
            case 0:
                System.out.print("Even 1 ");
            case 0:
                System.out.print("Even 2 ");
            case 1:
                System.out.print("Odd ");
            break;
        }
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation Error as case values cannot be duplicated	✓	✓
Even1 Even2 Odd		
Even2 Odd		
Default Even1 Even2 Odd		

Question 16:

Time: 1 Min 51 Sec

Marks: 1/ 1

Consider the below tables.

Actor(actorId,actorName) - actorId is primary key

Event(eventId,eventName) - eventId is primary key

Registration(registrationId,actorId,eventId) - actorId and eventId are foreign keys

Which is the CORRECT SQL statement to retrieve actorId, actorName and eventId for all actors who has registered for an event. If any actor is not registered for any event, still the actor details should be displayed.

Options	Response	Answer
<pre>SELECT a.actorId,a.actorName,r.eventId FROM Actor a INNER JOIN Registration r ON a.actorId=r.actorId;</pre>		
<pre>SELECT a.actorId,a.actorName,r.eventId FROM Actor a LEFT OUTER JOIN Registration r ON a.actorId=r.actorId;</pre>	✓	✓
<pre>SELECT a.actorId,a.actorName,r.eventId FROM Actor a RIGHT OUTER JOIN Registration r ON a.actorId=r.actorId;</pre>		
<pre>SELECT a.actorId,a.actorName,r.eventId FROM Actor a CROSS JOIN Registration r ON a.actorId=r.actorId;</pre>		

Question 17:

Time: 55 Sec

Marks: 0 / 1

What will be the output of the following Java code?

```
1 package mypackage1;
2
3 public class Parent {
4     Parent(){
5         System.out.print("1 ");
6     }
7 }
8
9 package mypackage2;
10 import mypackage1.Parent;
11
12 public class Child extends Parent{
13     Child(){
14         System.out.println("2");
15     }
16 }
17
18 package mypackage2;
19
20 public class ApplicationTester{
21     public static void main(String[] args){
22         Child child = new Child();
23     }
24 }
```

Options	Response	Answer
2 1		
2		
Compilation error at Line 13: Implicit super constructor Parent() is not visible. Must explicitly invoke another constructor		✓
1 2	✓	

Question 18:

Time: 27 Sec

Marks: 1/1

Which is the correct CSS code to display the text "Accenture" in light grey back ground?

Options	Response	Answer
<h2 background-color:lightgrey>Accenture</h2>		
<h2 style="background-color:lightgrey">Accenture</h2>	✓	✓
<h2 style="background-color:lightgrey">Accenture</h2>		
<h2 style="background-color:lightgrey">Accenture</h2>		

Question 19:
Time: 40 Sec
Marks: 1/ 1

Which is the CORRECT syntax for displaying a text area in a web page? while loading the page the default size of the text area should be 4 rows and 50 characters in each row.

Options	Response	Answer
<textarea rows="4" cols="50"> </textarea>	✓	✓
<textarea rowsize="4" columns="50"> </textarea>		
<textarea rowsize="4" columns="50"> </textarea>		
<textarea rowsize="4" chars="50"> </textarea>		

Question 20:
Time: 30 Sec
Marks: 1/ 1

A java file "FirstDemo.java" was complied on windows machine which resulted in a file "FirstDemo.class". This file was then run and tested on a LINUX machine. It ran successfully giving a valid output as expected.

Choose from below feature of java due to which the above scenario was successful.

Choose the most appropriate option.

Options	Response	Answer
Java Security		
Platform Independent	✓	✓
Robust		
Multithreading		

Question 21:

Time: 1 Min 7 Sec

Marks: 1/ 1

Refer the below variable declarations done in JavaScript.

- 1) x=10;
- 2) int x=10;
- 3) var x="10";
- 4) Integer x=10;

Which of the variable declarations are CORRECT?

Options	Response	Answer
1 and 3 only	✓	✓
1 and 2 only		
1,2 and 3 only		
2 and 4 only		

Question 22:

Time: 1 Min 47 Sec

Marks: 1 / 1

Refer the code given below:

```
public class Vehicle {
    private int vehicleId;
    private String vehicleName;
    public Vehicle(int vehicleId, String vehicleName) {
        this.vehicleId = vehicleId;
        this.vehicleName = vehicleName;
    }
    // Assume Getters and Setters are coded
}

public class Car extends Vehicle {
    private String carModel;
    private double average;
    //Line1
    // Assume getters and Setters are already coded...
}
```

Choose a valid Constructor implementation to be inserted at Line1 to make the above code compile successfully

Choose the most appropriate option.

Options	Response	Answer
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { this.carModel = carModel; this.average = average; }</pre>		
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { //Java code to initialize carModel and average super(vehicleId, vehicleName); }</pre>		
<pre>public void Car(int vehicleId, String vehicleName, String carModel,double average) { super(vehicleId, vehicleName); //Java code to initialize carModel and average }</pre>		
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { super(vehicleId, vehicleName); //Java code to initialize carModel and average }</pre>	✓	✓

Question 23:

Time: 1 Min 49 Sec

Marks: 0/ 1

Consider the table Employee given below.

EMPID	SALARY	DEPTNO
101	8000	10
102	4000	20
103	6000	30
104	5000	10
105	5000	20

What would be the output of the SQL query given below.

SELECT deptno,salary FROM employee ORDER BY salary DESC, deptno ;

Options	Response	Answer
DEPTNO SALARY 30 6000 20 5000 20 4000 10 8000 10 5000		

DEPTNO SALARY	✓
10 8000	
30 6000	
20 5000	
10 5000	
20 4000	
DEPTNO SALARY	
10 8000	
10 5000	
20 5000	
20 4000	
30 6000	
DEPTNO SALARY	✓
10 8000	
30 6000	
10 5000	
20 5000	
20 4000	

Question 24:

Time: 46 Sec

Marks: 1/ 1

Which of the following options are the characteristics of Agile development?

- (a) It delivers functional bits of the application as soon as they are ready
- (b) It helps teams respond to unpredictability through incremental, iterative work

Choose the most appropriate option.

Options	Response	Answer
Only (b)		
Neither (a) Nor (b)		
Only (a)		
Both (a) and (b)	✓	✓

Question 25:

Time: 1 Min 22 Sec

Marks: 1/ 1

Consider the table Item(ItemCode, ItemName, Price, Category).

Which is the CORRECT SQL query to display minimum price for categories 'A' , 'C'?

Options	Response	Answer
<pre>SELECT Category, MIN(Price) FROM Item GROUP BY Category WHERE Category IN ('A','C');</pre>		
<pre>SELECT Category,MIN(Price) FROM Item WHERE Category IN ('A','C') GROUP BY Category;</pre>	✓	✓
<pre>SELECT Category,MIN(Price) FROM Item GROUP BY Price WHERE Category IN ('A','C');</pre>		
<pre>SELECT Category,MIN(Price) FROM Item WHERE Category IN ('A','C');</pre>		

Question 26:

Time: 2 Min 22 Sec

Marks: 1/ 1

What will be the output of the following Java code?

Vehicle.java

```
public class Vehicle {  
    private float enginePower;  
  
    public Vehicle(float enginePower){  
        this.enginePower = enginePower;  
    }  
    public float getEnginePower(){  
        return enginePower;  
    }  
}
```

FourWheeler.java

```
public class FourWheeler extends Vehicle{  
    private String type;  
    public FourWheeler(){  
        this.type = "LMV";  
    }  
    public FourWheeler(String type, float enginePower){  
        this.type = type;  
    }  
    public String getType(){  
        return type;  
    }  
}
```

InheritanceTester.java

```
public class InheritanceTester {  
    public static void main(String[] args){  
        FourWheeler vehicle = new FourWheeler("HMV", 3.5F);  
        System.out.println(vehicle.getType() + " " + vehicle.getEnginePower());  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Error in the code: Implicit super constructor Vehicle() is undefined. Must explicitly invoke another constructor	✓	✓
HMV 3.5		
null 3.5		
LMV 0.0		

Question 27:

Time: 1 Min 17 Sec

Marks: 1/ 1

Consider the table Customer given below.

CustomerId	CustomerName
101	John
102	Tom
103	twinkle
104	HELEN

What would be the output of the following SQL statement?

SELECT CustomerName FROM Customer

WHERE CustomerName LIKE 'T%' OR CustomerName LIKE '%N';

Options	Response	Answer
Tom		
twinkle		
Helen		
John		
Tom		
HELEN		
John		
Tom		
HELEN		
twinkle		
Tom	✓	✓
HELEN		

Question 28:

Time: 3 Min 33 Sec

Marks: 1/ 1

Consider table **Project**(projectId, projectType, budget).

Which is the CORRECT SQL statement to display projectId, projectType and budget of project which is having minimum budget in each project type?

Options	Response	Answer
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1 WHERE MIN(p1.budget)IN(SELECT MIN(p2.budget) FROM project p2 WHERE p1.projectType=p2.projectType);</pre>		
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1 WHERE p1.budget IN(SELECT MIN(p2.budget) FROM project p2);</pre>		
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1 WHERE p1.budget IN(SELECT MIN(p2.budget) FROM project p2 WHERE p1.budget=p2.budget);</pre>		
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1 WHERE p1.budget IN(SELECT MIN(p2.budget) FROM project p2 WHERE p1.projectType=p2.projectType);</pre>	✓	✓

Question 29:

Time: 54 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
public class MyClass{  
    public MyClass() {  
        System.out.println("Inside constructor");  
    }  
    static {  
        System.out.println("Inside static block 1");  
    }  
    static {  
        System.out.println("Inside static block 2");  
    }  
    public static void main(String[] args) {  
        System.out.println("Inside main method");  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Inside main method		
Inside static block 1 Inside static block 2 Inside main method	✓	✓
Inside main method Inside static block 1 Inside static block 2		
Inside main method Inside constructor Inside static block 1 Inside static block 2		

Question 30:

Time: 1 Min 41 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
class Employee {  
    public Employee() {  
        System.out.println("From Constructor of Employee");  
    }  
}  
  
public class Tester {  
    public static void main(String[] args) {  
        Employee[] employee = new Employee[5];  
        employee[0] = new Employee(); //Line2  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Prints the "From Constructor of Employee" 1 times	✓	✓
Prints the "From Constructor of Employee" 5 times		
Compilation error at Line2: Invalid assignment operation		
Prints the "From Constructor of Employee" 6 times		

Question 31:

Time: 1 Min 14 Sec

Marks: 1 / 1

Identify the appropriate relationship between the classes House and Room.
Assume that getter and setter methods for all instance variables are implemented.

```
class Room{  
    private int length;  
    private float width;  
}  
  
class House{  
    private float area;  
    private Room room;  
  
    public House(){  
        room=new Room();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Aggregation		
Association		
Specialization		
Composition	✓	✓

Question 32:

Time: 14 Sec

Marks: 1 / 1

Arrange the following stages of Project Lifecycle according to SDLC.

- (1) Planning
- (2) Initiation
- (3) Closing
- (4) Execution

Choose the most appropriate option.

Options	Response	Answer
(2) - (1) - (4) - (3)	✓	✓
(2) - (1) - (3) - (4)		
(1) - (2) - (3) - (4)		
(1) - (2) - (4) - (3)		

Question 33:
Time: 1 Min 10 Sec

Marks: 1 / 1

Assume that table **Player** has the following records.

PlayerId	Salary	PlayerAverage
P1	25000	75.5
P2	20000	70
P3	22000	70.5

How many row(s) will be deleted after executing the SQL statement given below?

DELETE FROM Player WHERE Salary>20000 OR PlayerAverage<=70;

Options	Response	Answer
3	✓	✓
0		
1		
2		

Question 34:
Time: 3 Min 28 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
1 public abstract class Bank {  
2     protected double amount;  
3  
4     public Bank(){  
5         this.amount = 1000.0;  
6     }  
7     public abstract void createAccount();  
8     public double getAmount(){  
9         return this.amount;  
10    }  
11 }  
12  
13 public class MyBank extends Bank{  
14     public MyBank(){  
15         this.amount = 2000.0;  
16     }  
17     public void createAccount(){  
18         System.out.println("Account created");  
19     }  
20 }  
21  
22 public class ApplicationTester {  
23     public static void main(String[] args){  
24         Bank b = new MyBank();  
25         b.createAccount();  
26         System.out.println(b.getAmount());  
27     }  
28 }  
29 }
```

Options	Response	Answer
Account created		
1000.0		
Compilation error at Line 24: Cannot have a reference of type 'Bank'		
Account created	✓	✓
2000.0		
Compilation error at Line 4: Cannot have constructor in abstract class 'Bank'		

Question 35:
Time: 47 Sec
Marks: 1/ 1

Which of the following statement/s is/are TRUE with respect to Community Cloud?

- (1) Exclusively owned and operated by a single organization
- (2) Available for use by a shared community consisting of several organizations

Choose the most appropriate option.

Options	Response	Answer
Only (1)		
Only (2)	✓	✓
Neither (1) Nor (2)		
Both (1) and (2)		

Question 36:
Time: 21 Sec
Marks: 1/ 1

Identify the CORRECT statement(s)

- (a) A column with UNIQUE constraint can have NULL values
- (b) FOREIGN KEY column can have NULL values
- (c) A TABLE can have more than one PRIMARY KEY column
- (d) FOREIGN KEY column can refer to PRIMARY KEY column of same table only

Options	Response	Answer
a and d only		
a and b only	✓	✓
a,b and d only		
b and c only		

Question 37:

Time: 30 Sec

Marks: 1/ 1

Refer the HTML code given below.

```
<html>

<body>

<table border="1">

<tr> <th colspan="2"> Customer Details </th><th>Regular</th>

<tr> <th>cid</th> <th>cname</th> <th>phone</th> </tr>

<tr> <td>100</td> <td>Jack</td> <td>5655765</td> </tr>

<tr> <td>101</td> <td>John</td> <td rowspan="2">8989092</td> </tr>

<tr> <td>102</td> <td>James</td> </tr>

</table>

</body>

</html>
```

How many cells will be displayed when the page is displayed on the browser?

Options	Response	Answer
11		
13	✓	✓
10		
14		

Question 38:

Time: 54 Sec

Marks: 1/ 1

Refer the JavaScript code given below.

```
<html>

<head>

<script>

function aFun(){

var num1=111;

var num2="111";

alert(num1==num2) //Line1

alert(num1===num2) //Line2

}

</script>

</head>

<button onclick='aFun()'>Click</button>

</html>
```

When the above code is executed, what will be the output produced by Line1 and Line2?

Options	Response	Answer
JavaScript will show a compilation error as "===" is not defined		
Output from Line1: false, Output from Line2: true		
Output from Line1: true, Output from Line2: true		
Output from Line1: true, Output from Line2: false	✓	✓

Question 39:

Time: 4 Min 12 Sec

Marks: 1/ 1

Analyse the code given below. Note that Employee.java is present in a package “pack1” and RegularEmployee.java is present in a package “pack2”.

```

package pack1;
public class Employee{
    public int empid;
    protected float salary;
    private String name;
    String mailId;
}

-----
package pack2;
import pack1.Employee;
public class RegularEmployee extends Employee{
    public static void main(String[] args) {
        Employee emp=new Employee();
        // your code goes here
    }
}

```

Identify the CORRECT statement which can be added in the main method in place of “your code goes here”.

Choose the most appropriate option.

Options	Response	Answer
System.out.println(emp.empid)	✓	✓
System.out.println(emp.name)		
System.out.println(emp.mailld)		
System.out.println(emp.salary)		

Question 40:
Time: 1 Min 19 Sec
Marks: 1 / 1

Refer the code given below:

```
public class ApplicationTester{
    public static void main(String[] args){
        Employee emp = new Employee();
    }
}
```

Assume that class Employee is a valid Java class having instance variables as (employeeId of type integer and employeeName of type String).

Choose from below a VALID option.

Options	Response	Answer
emp is created on heap along with employeeId and employeeName		
As emp is local to main method all emp, employeeId and employeeName are created on stack		
emp reference variable is created on stack and employeeId and employeeName are created on heap	✓	✓
emp reference variable is created on heap and employeeId and employeeName are created on stack		

Question 41:

Time: 1 Min 29 Sec

Marks: 1 / 1

Assume that table **Event** is having the following records. Identify the correct query to retrieve all event records which has got a stage number.

EVENTID	EVENTNAME	STAGENUMBER
E1	Drama	
E2	Dance	2
E3	Speech	1

Options	Response	Answer
SELECT * FROM Event WHERE StageNumber <> NULL		
SELECT * FROM Event WHERE StageNumber IS NOT NULL	✓	✓
SELECT * FROM Event WHERE StageNumber IS NOT EQUAL TO NULL;		
SELECT * FROM Event WHERE StageNumber != NULL		

Question 42:

Time: 29 Sec

Marks: 1 / 1

Refer the below incomplete HTML code.

 Click

Assume that "abc.lkm@accenture.com" is a valid site. Choose the appropriate value for the target attribute to open the web page in a new window.

Options	Response	Answer
_self		
_blank	✓	✓
_parent		
_top		

Question 43:
Time: 9 Sec
Marks: 1/ 1

What are the benefits of ADM?

- (1) Project standardization and customization
- (2) Common project management framework

Choose the most appropriate option.

Options	Response	Answer
Both (1) and (2)	✓	✓
Only (2)		
Only (1)		
Neither (1) Nor (2)		

Question 44:
Time: 29 Sec
Marks: 1/ 1

An end-to-end testing of application by client users is known as -----

Choose the most appropriate option.

Options	Response	Answer
Unit Testing		
Product Testing		
Performance Testing		
Acceptance Testing	✓	✓

Question 45:
Time: 1 Min 35 Sec
Marks: 1/ 1

What will be the output of the following Java code?

```
public class BreakTester {
    public static void main(String[] args){
        int i = 1;
        for(i = 1; i <= 10; i++){
            if(i == 5){
                break;
            }
        }
        System.out.println("Value of i outside the loop: " + i);
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Value of i outside the loop: 11		
Value of i outside the loop: 5	✓	✓
Value of i outside the loop: 0		
Value of i outside the loop: 10		

Question 46:
Time: 1 Min 19 Sec
Marks: 1/ 1

What will be the output of the following Java code?

```
1 public interface MyInterface1 {
2     public void method1();
3 }
4
5 public interface MyInterface2 {
6     public void method2();
7 }
8
9 public class MyClass implements MyInterface1, MyInterface2{
10    public void method1(){
11        System.out.println("method1");
12    }
13    public void method2(){
14        System.out.println("method2");
15    }
16 }
17
18 public class ApplicationTester {
19     public static void main(String[] args){
20         MyInterface1 ref = new MyClass();
21         ref.method2();
22     }
23 }
24 }
```

Options	Response	Answer
method2		
Compilation error at Line 9: MyCLass cannot implement two interfaces		
Compilation error at Line 21: The method method2() is undefined for the type MyInterface1	✓	✓
Compilation error at Line 20: Cannot have a reference of type 'MyInterface1'		

Question 47:

Time: 1 Min 4 Sec

Marks: 1/1

What will be the output of the following Java code?

```
public class ApplicationTester {  
    public static void main(String[] args){  
        int data1=10, data2=10;  
  
        if (data1 > data2){  
            System.out.println("1");  
        } else {  
            System.out.println("2");  
        }  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error: Invalid use of 'if'		
The code will display both 1 and 2		
2	✓	✓
1		

Question 48:

Time: 1 Min 5 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
interface I{  
    int MIN = 20; // Line 2  
    public void display();  
}  
public class Student{  
    public static void main(String[] args) {  
        I i = new I(); // Line 8  
        i.display();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Runtime error : Nullpointer exception will be thrown		
Compilation error at line 8 : cannot instantiate the type I	✓	✓
Compillation Error at Line 2 : Interface cannot have data member		
Display method will get invoked without any error		

Question 49:
Time: 39 Sec
Marks: 0/ 1

What will be the output of the following Java code?

```
public class StringTester{
    public static void main(String[] args) {
        String s1=new String("java");
        String s2=new String("JAVA");
        s2=s2.toLowerCase();
        System.out.print (s1.equals(s2) + " ");
        System.out.print (s1==s2);
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
true false		✓
false false		
true true	✓	
false true		

Question 50:
Time: 2 Min 24 Sec
Marks: 1/ 1

What will be the output of the following Java code?

```
class ApplicationTester{  
    public static void main(String args[]) {  
        for(int j=0; j<3; j++) {  
            for(int i=0; i<5; i++) {  
                if(i == 2) break;  
                System.out.print(i + " ");  
            }  
        }  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
0 1 will be printed 3 times	✓	✓
0 1 2 3 4 will be printed 3 times		
0 1 3 4 will be printed 3 times		
0 1 2 will be printed 3 times		



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Test Taken on: February 28, 2019 03:06:20 PM IST

Finish State: Normal

Registration Details

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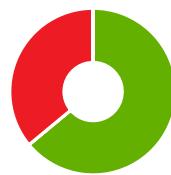
Overall Summary

MARKS SCORED

	Score	Percentile	Percentage
Section #1	32 / 50	31	64
Total	32 / 50	31	64

Percentile is among 2159 candidate(s) who've taken this test.

SUMMARY OF ATTEMPTS

18 Incorrect
(Scored 0/18)**32 Correct**
(Scored 32/32)

TIME TAKEN

1	3
hr	min

Available time: 1 hr 20 min

TOTAL QUESTIONS

50

Question-wise Details

Section #1

Question 1:

Time: 1 Min 10 Sec

Marks: 1/ 1

How does ADM ensure smooth transfer of deliverables from one team or one stage to another?

- a. By using ADM Estimators
- b. By using ADM Metrics
- c. By using Transition Points

Choose the most appropriate option.

Options	Response	Answer
Only (b)		
All (a), (b) and (c)		
Only (a)		
Only (c)	✓	✓

Question 2:

Time: 1 Min 9 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
public class Triangle {  
    private int base;  
    private int height;  
    public void calculateArea() {  
        int area;  
        area = base*height*1/2;  
        System.out.println(area);  
    }  
}  
  
public class DemoTriangle {  
    public static void main(String args[]){  
        Triangle triangle = new Triangle();  
        triangle.calculateArea();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation Fails as no default constructor Triangle() is defined		
Compilation Fails as base and height are not initialized	✓	
null		
0		✓

Question 3:**Time: 51 Sec****Marks: 0/1**

Assume that below code is present in the head tag of a HTML page.

```
<style>  
.myclass{  
    background-color: lightgrey;  
    color:blue;  
}  
</style>
```

Which is the CORRECT way of using this style?

Options	Response	Answer
<h1 class=".myclass">Welcome to My Homepage</h1>	✓	
<h1 style="myclass">Welcome to My Homepage</h1>		
<h1 id="myclass">Welcome to My Homepage</h1>		
<h1 class="myclass">Welcome to My Homepage</h1>		✓

Question 4:

Time: 33 Sec

Marks: 1/ 1

Refer the class declarations given below:

class A{ }

class B extends A{ }

class C extends B{ }

class D extends C{ }

Identify the INCORRECT statement.

Choose the most appropriate option.

Options	Response	Answer
C c=new C();		
B b=new D();		
A a = new D();		
C c=new B();	✓	✓

Question 5:

Time: 1 Min 17 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
interface Message {  
    void writeContent();  
}  
  
class Email implements Message {  
    public void writeContent() {  
        System.out.println("Email message");  
    }  
}  
  
class SMS implements Message {  
    public void writeContent() {  
        System.out.println("SMS message");  
    }  
}  
  
public class ApplicationTester{  
    public static void main(String[] args) {  
        Message message = new Email(); //Line-1  
        message.writeContent();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
null		
Email message		✓
SMS message		
Compilation error at Line-1: Cannot have a reference of interface type	✓	

Question 6:

Time: 4 Min 9 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
1 package mypackage1;
2
3 public class Parent {
4     Parent(){
5         System.out.print("1 ");
6     }
7 }
8
9 package mypackage2;
10 import mypackage1.Parent;
11
12 public class Child extends Parent{
13     Child(){
14         System.out.println("2");
15     }
16 }
17
18 package mypackage2;
19
20 public class ApplicationTester{
21     public static void main(String[] args){
22         Child child = new Child();
23     }
24 }
25
```

Options	Response	Answer
2		
Compilation error at Line 13: Implicit super constructor Parent() is not visible. Must explicitly invoke another constructor	✓	✓
1 2		
2 1		

Question 7:

Time: 1 Min 11 Sec

Marks: 1/1

What will be the output of the following Java code?

```
public class OverloadTester{
    public static void main(String[] args) {
        new OverloadSample().calculate(10, 20);
    }

    public void calculate(int num1, int num2) {
        System.out.println("Inside calculate integer");
    }

    public void calculate(long num1, long num2) {
        System.out.println("Inside calculate long");
    }

    public void calculate(float num1, float num2) {
        System.out.println("Inside calculate float");
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Inside calculate long		
Inside calculate integer	✓	✓
Compilation Error: Ambiguous call to calculate() method in type OverloadTester		
Inside calculate float		

Question 8:

Time: 1 Min 22 Sec

Marks: 1 / 1

Which of the following statement(s) are TRUE regarding Java architecture?

- (i) Byte code or .class file is platform independent
- (ii) JVM is platform independent

Choose the most appropriate option.

Options	Response	Answer
Neither (i) Nor (ii) are TRUE		
Only (ii) is TRUE		
Both (i) and (ii) are TRUE		
Only (i) is TRUE	✓	✓

Question 9:

Time: 1 Min 5 Sec

Marks: 1 / 1

What will be the output of the following Java code?

Trainee.java

```
public class Trainee {
    private static int traineeCount;
    static{
        traineeCount = 0;
    }
    public Trainee(){
        traineeCount++;
    }
    public static void getTraineeCount(){
        System.out.println(traineeCount);
    }
}
```

TraineeTester.java

```
public class TraineeTester {
    public static void main(String[] args){
        Trainee t1 = new Trainee();
        Trainee t2 = new Trainee();
        Trainee t3 = new Trainee();
        Trainee.getTraineeCount();
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
1		
2		
3	✓	✓
0		

Question 10:
Time: 2 Min 10 Sec
Marks: 1/ 1

Which of the following statement/s is/are TRUE with respect to Community Cloud?

- (1) Exclusively owned and operated by a single organization
- (2) Available for use by a shared community consisting of several organizations

Choose the most appropriate option.

Options	Response	Answer
Only (2)	✓	✓
Only (1)		
Both (1) and (2)		
Neither (1) Nor (2)		

Question 11:
Time: 1 Min 17 Sec
Marks: 1/ 1

Which among the following are DevOps Principle?

- (i) Automate Everything
- (ii) Test early and often
- (iii) Strong source control

Choose the most appropriate option.

Options	Response	Answer
Only (ii) and (iii)		
Only (i) and (iii)		
All (i), (ii) and (iii)	✓	✓
Only (i) and (ii)		

Question 12:
Time: 54 Sec
Marks: 1/ 1

Performance feedback allows which of the following actions?

- (1) To take action to improve your skills and performance so you are effective in your current and future roles
- (2) To have your say about how you think your colleagues are performing

Choose the most appropriate option.

Options	Response	Answer
Only (1)	✓	✓
Only (2)		
Neither (1) Nor (2)		
Both (1) and (2)		

Question 13:
Time: 3 Min 53 Sec
Marks: 1/ 1

What will be the output of the following Java code?

Bank.java

```
public abstract class Bank {  
    private String bankName;  
  
    public Bank(String bankName){  
        this.bankName = bankName;  
    }  
    public abstract void createAccount();  
  
    public String getBankName(){  
        return bankName;  
    }  
}
```

FriendlyBank.java

```
public class FriendlyBank extends Bank {  
    public FriendlyBank (String bankName){  
        super(bankName);  
    }  
    public void createAccount(){  
        System.out.println("Friendly Bank Account");  
    }  
}
```

AbstractClassTester.java

```
public class AbstractClassTester {  
    public static void main(String[] args){  
        Bank bank = new FriendlyBank("Friendly Bank");  
        System.out.print(bank.getBankName() + " ");  
        bank.createAccount();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
null Friendly Bank Account		
Compilation error: Cannot use reference 'bank' of abstract type		
Compilation error: Abstract class Bank cannot have constructor		
Friendly Bank Friendly Bank Account	✓	✓

Question 14:

Time: 2 Min 12 Sec

Marks: 0/ 1

Refer the code given below:

```
class Employee{  
  
    public void printDetails(){  
  
        Printer printer = new Printer();  
  
        printer.print("Test Print");  
  
    }  
  
}
```

```
class Printer{  
  
    public void print(String str){  
  
        System.out.println("Priting Details: "+str);  
  
    }  
  
}
```

Choose from below a valid option that represents the relationship in between the classes Employee and Printer

Choose the most appropriate option.

Options	Response	Answer
Composition		
Aggregation		✓
Generalization	✓	
Specialization		

Question 15:

Time: 55 Sec

Marks: 1 / 1

Assume that table **Event** is created using the below script.

```
CREATE TABLE Event(  
    EventId VARCHAR2(5) CONSTRAINT Event_PK PRIMARY KEY,  
    EventName VARCHAR2(20) CONSTRAINT Event_NN NOT NULL,  
    StageNumber NUMBER(2) DEFAULT 1,  
    NumberOfParticipants NUMBER(2));
```

Identify the correct insert statements which can be applied on Event table

- a) INSERT INTO Event VALUES('E1','Dance',NULL,2);
- b) INSERT INTO Event VALUES('E1','Speech',1);
- c) INSERT INTO Event(EventId,EventName) VALUES('E3','Drama');
- d) INSERT INTO Event(EventId,StageNumber,NumberOfParticipants) VALUES('E4',4,7)

Options	Response	Answer
b and c		
a and c	✓	✓
a and d		
a and b		

Question 16:

Time: 1 Min 30 Sec

Marks: 1 / 1

Consider the following tables:

Account(AccountNumber, AccountOpeningDate, Balance). Here AccountNumber is

the primary key.

Transaction(TransactionId, AccountNumber, DateOfTransaction, Amount, TransactionType);

Here TransactionId is the primary key and AccountNumber is the foreign key

referencing AccountNumber in Account table.

Which is the CORRECT query to display AccountNumber and balance of accounts on which NO transaction was done after '31-Dec-2015';

Options	Response	Answer
<pre>SELECT AccountNumber,Balance FROM Account WHERE AccountNumber IN (SELECT AccountNumber FROM Transaction WHERE DateOfTransaction > '31-Dec- 2015');</pre>		
<pre>SELECT AccountNumber,Balance FROM Account WHERE AccountNumber NOT IN (SELECT AccountNumber FROM Transaction);</pre>		

```
SELECT AccountNumber,Balance  
FROM Account  
  
WHERE AccountNumber NOT IN  
  
(SELECT AccountNumber FROM  
Transaction  
  
WHERE DateOfTransaction = '31-Dec-  
2015');
```

```
SELECT AccountNumber,Balance  
FROM Account  
  
WHERE AccountNumber NOT IN  
  
(SELECT AccountNumber FROM  
Transaction  
  
WHERE DateOfTransaction > '31-Dec-  
2015');
```

**Question 17:**

Time: 1 Min 29 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
public class ApplicationTester{  
    public static void main(String[] args){  
        int array[] ={12,54,78,25,63,98,19};  
        int index=1;  
        int sum;  
        while(index<array.length){  
            sum=0;  
            sum=sum+array[index];  
            System.out.print(sum+" ");  
        }  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
infinitely prints 54		✓
12 54 78 25 63 98 19		
infinitely prints 12		
54 78 25 63 98 19	✓	

Question 18:

Time: 54 Sec

Marks: 1 / 1

Consider table **Project**(projectId, projectType, budget).

Which is the CORRECT SQL statement to display projectId, projectType and budget of project which is having minimum budget in each project type?

Options	Response	Answer
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1 WHERE MIN(p1.budget)IN(SELECT MIN(p2.budget) FROM project p2 WHERE p1.projectType=p2.projectType);</pre>		
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1 WHERE p1.budget IN(SELECT MIN(p2.budget) FROM project p2);</pre>		
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1 WHERE p1.budget IN(SELECT MIN(p2.budget) FROM project p2 WHERE p1.budget=p2.budget);</pre>		
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1 WHERE p1.budget IN(SELECT MIN(p2.budget) FROM project p2 WHERE p1.projectType=p2.projectType);</pre>	✓	✓

What will be the output of the following Java code?

```
1 package mypackage1;
2
3 public class Parent {
4     public Parent() {
5         System.out.print("1 ");
6     }
7     protected void parentMethod() {
8         System.out.println(" 3 ");
9     }
10 }
11
12 package mypackage2;
13 import mypackage1.Parent;
14
15 public class Child extends Parent{
16     public Child() {
17         System.out.println("2");
18     }
19 }
20
21 package mypackage2;
22
23
24 public class ApplicationTester{
25     public static void main(String[] args){
26         Child child = new Child();
27         child.parentMethod();
28     }
29 }
30 }
```

Options	Response	Answer
Compilation error at Line 27: The method parentMethod() from the type Parent is not visible	✓	✓
1 2		
1 2 3		
Compilation error at Line 7: 'parentMethod' cannot be 'protected'		

Question 20:

Time: 1 Min 3 Sec

Marks: 1/ 1

Consider the below tables.

Customer(customerId,(customerName) - customerId is primary key

Account(accountId,accountType,balance,(customerId) - accountId is primary key and customerId is foreign key

Which is the CORRECT SQL statement to retrieve customerId, customerName, accountId and balance for all customers. It should also display the details of the customers who are not having any account.

Options	Response	Answer
<pre>SELECT c.customerId,c.customerName e,a.accountId,a.balance FROM account a RIGHT OUTER JOIN customer c ON c.customerId=a.customerId;</pre>	✓	✓
<pre>SELECT c.customerId,c.customerName e,a.accountId,a.balance FROM account a LEFT OUTER JOIN customer c ON c.customerId=a.customerId;</pre>		
<pre>SELECT c.customerId,c.customerName e,a.accountId,a.balance FROM customer c RIGHT OUTER JOIN account a ON c.customerId=a.customerId;</pre>		
<pre>SELECT c.customerId,c.customerName e,a.accountId,a.balance FROM customer c INNER JOIN account a ON c.customerId=a.customerId;</pre>		

Question 21:

Time: 1 Min 53 Sec

Marks: 0 / 1

Consider the table Project(projectId, projectType,budget).

Which is the CORRECT SQL statement to retrieve the count of projects which is of type 'FIN' or' SALE'? It should count for 'FIN' and 'SALE' separately.

Options	Response	Answer
<pre>SELECT projectType,COUNT(projectId) FROM project WHERE projectType IN('FIN','SALE') GROUP BY projectId;</pre>		
<pre>SELECT projectType,COUNT(projectId) FROM project GROUP BY projectId HAVING projectType IN('FIN','SALE');</pre>	✓	
<pre>SELECT projectType,COUNT(projectId) FROM project WHERE projectType IN('FIN','SALE');</pre>		
<pre>SELECT projectType,COUNT(projectId) FROM project WHERE projectType IN('FIN','SALE') GROUP BY projectType;</pre>		✓

Question 22:

Time: 37 Sec

Marks: 1 / 1

Which is the CORRECT SQL Query to display names of employees which has third character as 't' and ends with 'n';

Options	Response	Answer
SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE '__t%n';	✓	✓
SELECT EmployeeName FROM Employee WHERE EmployeeName = '__t%n';		
SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE '%t%n';		
SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 't%n';		

Question 23:

Time: 25 Sec

Marks: 1/ 1

Refer the JavaScript code given below.

```
<html>

<head>

<script>

function aFun(){

var num1=111;

var num2="111";

alert(num1==num2) //Line1

alert(num1===num2) //Line2

}

</script>

</head>

<button onclick='aFun()'>Click</button>

</html>
```

When the above code is executed, what will be the output produced by Line1 and Line2?

Options	Response	Answer
Output from Line1: false, Output from Line2: true		
JavaScript will show a compilation error as "===" is not defined		
Output from Line1: true, Output from Line2: true		
Output from Line1: true, Output from Line2: false	✓	✓

Question 24:

Time: 44 Sec

Marks: 0/ 1

Assume that table **Employee** has following records.

EMPID	EMPNAME	MANAGERID
1001	James	NULL
1002	Mark	1001
1003	Mary	1002
1004	Mark	NULL

How many rows will be deleted after executing the below DML statement.

DELETE FROM employee WHERE managerid=NULL;

Options	Response	Answer
2	✓	
0		✓
4		
1		

Question 25:

Time: 49 Sec

Marks: 0/ 1

Consider the table Employee given below.

EMPID	SALARY	DEPTNO
101	8000	10
102	4000	20
103	6000	30
104	5000	10
105	5000	20

What would be the output of the SQL query given below.

SELECT deptno,salary FROM employee ORDER BY salary DESC, deptno ;

Options	Response	Answer

DEPTNO SALARY	✓	
10 8000		
30 6000		
20 5000		
10 5000		
20 4000		
DEPTNO SALARY		
30 6000		
20 5000		
20 4000		
10 8000		
10 5000		
DEPTNO SALARY		
10 8000		
10 5000		
20 5000		
20 4000		
30 6000		

DEPTNO	SALARY	
10	8000	
30	6000	
10	5000	
20	5000	
20	4000	

Question 26:

Time: 1 Min 17 Sec

Marks: 0 / 1

Consider the following Java class.

```
public class MyClass{
    public int add(int num1, int num2){
        //valid logic
    }
}
```

Consider the following add method implementations.

1)

```
int add(int a, int b,int c){
    return a+b;
}
```

2)

```
double add(double a, double b){
    return a+b;
}
```

3)

```
double add(int a, int b){
    return a+b;
}
```

Identify the CORRECT add method implementation/s which can be placed in MyClass?

Choose the most appropriate option.

Options	Response	Answer
Both 1 and 2		✓
Only 1		
Both 2 and 3	✓	
All 1, 2 and 3		

Question 27:

Time: 30 Sec

Marks: 1 / 1

Consider the HTML code given below.

```
<html>

<head>

<style>

h2{

color:green;

}

span{

color:blue;

}

</style>

</head>

<body>

<h2>Accenture <span> Bangalore</span> India</h2>

</body>

</html>
```

While displaying output on the browser what will be the color of each word of the text "Accenture Bangalore India"?

Options	Response	Answer
Accenture - Green		
Bangalore - Green		
India - Blue		
Accenture - Green	✓	✓
Bangalore - Blue		
India - Green		
Accenture - Green		
Bangalore - Green		
India - Green		
Accenture - Green		
Bangalore - Blue		
India - Blue		

Question 28:

Time: 57 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
public class StringTester{
    public static void main(String[] args) {
        String s = "Welcome ";
        s.concat("to Accenture");
        System.out.println(s);
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
to Accenture		
Welcome		✓
null		
Welcome to Accenture	✓	

Question 29:
Time: 43 Sec
Marks: 1 / 1

Assume that table **Event** is having the following records. Identify the correct query to retrieve all event records which has got a stage number.

EVENTID	EVENTNAME	STAGENUMBER
E1	Drama	
E2	Dance	2
E3	Speech	1

Options	Response	Answer
SELECT * FROM Event WHERE StageNumber IS NOT NULL	✓	✓
SELECT * FROM Event WHERE StageNumber != NULL		
SELECT * FROM Event WHERE StageNumber <> NULL		
SELECT * FROM Event WHERE StageNumber IS NOT EQUAL TO NULL;		

Question 30:
Time: 3 Min 35 Sec
Marks: 1 / 1

Which code should be inserted at line #4 to get the below output?

2 4 6 8

```
1. public class ArrayTester {  
2.     public static void main(String[] args) {  
3.         int[] evenNumbers = { 2, 4, 6, 8, 10 };  
4.         // Code to be inserted  
5.         System.out.print(evenNumbers[i] + " ");  
6.     }  
7. }
```

Choose the most appropriate option.

Options	Response	Answer
for (int i = 0; i < evenNumbers.length-1; i++)	✓	✓
for (int i = 0; i <= evenNumbers.length- 1; i++)		
for (int i = 0; i < evenNumbers.length-2; i++)		
for (int i = 0; i <= evenNumbers.length; i++)		

Question 31:

Time: 19 Sec

Marks: 1 / 1

Consider the table **Employee(empId,empName,jobBand)**.

Which is the CORRECT SQL statement to retrieve all unique jobBand from Employee table ?

Options	Response	Answer
SELECT DISTINCT jobBand,empld from Employee;		
SELECT DISTINCT jobBand from Employee;	✓	✓
SELECT jobBand DISTINCT from Employee;		
SELECT jobBand from Employee DISTINCT;		

Question 32:

Time: 2 Min 41 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
Base.java
public class Base {
    public void display(int n){
        System.out.println(n);
    }
}
```

```
Derived.java
public class Derived extends Base{
    public void display(){ //Line-1
        System.out.println("display overloaded");
    }
}
```

```
OverloadingTester.java
public class OverloadingTester {
    public static void main(String[] args){
        Base ref = new Derived();
        ref.display(10); //Line-2
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error at Line-2: 'display(int)' is not visible for 'Base' type		
Compilation error at Line-1: 'display' from 'Base' class is not overridden		
0		
10	✓	✓

Question 33:

Time: 1 Min 1 Sec

Marks: 0/1

What will be the output of the following Java code?

```
class ApplicationTester{
    public static void main(String args[]) {
        for(int j=0; j<3; j++) {
            for(int i=0; i<5; i++) {
                if(i == 2) break;
                System.out.print(i + " ");
            }
        }
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
0 1 2 3 4 will be printed 3 times		
0 1 will be printed 3 times		✓
0 1 3 4 will be printed 3 times		
0 1 2 will be printed 3 times	✓	

Question 34:

Time: 1 Min 6 Sec

Marks: 0/1

Which of the following statement/s is/are VALID array declaration in JavaScript?

(1) var mixed=['ABCD',1234,12.3,"Value","1"]

(2) var arrayVar=[1,2,3,4]

(3) var arrayVar={1,2,3,4}

Options	Response	Answer
Both (2) and (3)	✓	
Only (1)		
Both (1) and (2)		✓
All (1), (2) and (3)		

Question 35:**Time: 18 Sec****Marks: 0 / 1**

Which of the following are characteristics of Agile?

- a. Deliver working software frequently, from a couple of weeks to a couple of months
- b. Working software is the primary measure of progress
- c. Comprehensive documentation

Choose the most appropriate option.

Options	Response	Answer
Both (a) and (b)		✓
All (a), (b) and (c)	✓	
Both (a) and (c)		
Both (b) and (c)		

Question 36:**Time: 31 Sec****Marks: 1 / 1**

Which testing technique tests the functionality of the application without looking at the internal structure of the code?

- i. Black Box Testing
- ii. Assembly Testing
- iii. Product Testing
- iv. White Box Testing

Choose the most appropriate option.

Options	Response	Answer
Assembly Testing		
White Box Testing		
Product Testing		
Black Box Testing	✓	✓

Question 37:

Time: 2 Min 41 Sec

Marks: 1/ 1

Which of the following statement(s) is/are TRUE?

- 1) JavaScript is case sensitive
- 2) JavaScript can be placed only in head tag
- 3) JavaScript can be placed both in head tag and body tag
- 4) JavaScript is used for client side validations

Options	Response	Answer
1,2,3 and 4		
2,3 and 4 only		
1,3 and 4 only	✓	✓
3 and 4 only		

Question 38:

Time: 31 Sec

Marks: 0/ 1

Which of the following actions should be performed to ensure cyber safety at a user level?

- (i) Automatic downloads from the websites should be enabled
- (ii) Automatic security updates should be installed
- (iii) Firewall should be turned off if the system has the latest security update

Choose the most appropriate option

Options	Response	Answer
Both (i) and (ii)	✓	
Both (i) and (iii)		
Only (ii)		✓
Both (ii) and (iii)		
Only (iii)		

Question 39:**Time: 49 Sec****Marks: 0/ 1**

What will be the output of the following Java code?

```
public class MyClass {  
  
    public static void main(String[] args) {  
        boolean b1=true;  
        boolean b2=true;  
        boolean b3=false;  
  
        if((b1==b2)|| (b3==true)){  
            System.out.println("inside if");  
            System.out.println(b1+","+b2+","+b3);  
        }  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
inside if true,true,true		
true,true,false		
inside if	✓	
inside if true,true,false		✓

Question 40:

Time: 59 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class Tester{
    public static void main(String[] args){
        int num = 12;
        switch (num % 2) {
            default:
                System.out.println("Default");
            case 0:
                System.out.println("Even");
            case 1:
                System.out.println("Odd");
                break;
        }
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Default		
Default Even Odd		
Compilation error as default cannot be the first case among all the cases		
Even Odd	✓	✓

Question 41:

Time: 39 Sec

Marks: 1/ 1

How many times will the Test() constructor be called?

```
class Test {  
    public Test() {  
        System.out.println("Inside Test Constructor");  
    }  
}  
  
public class ConstructorTester {  
    public static void main(String[] args) {  
        Test[] tests = new Test[5];  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
0 time	✓	✓
5 times		
1 time		
2 times		

Question 42:

Time: 1 Min 17 Sec

Marks: 0/ 1

Which is the CORRECT SQL statement to drop the column "Commission" from an existing table "Employee"?

Options	Response	Answer
ALTER TABLE Employee TRUNCATE Column Commission;		
ALTER TABLE Employee REMOVE COLUMN Commission;		
ALTER TABLE Employee DROP Column Commission;		✓
ALTER TABLE Employee DELETE Column Commission;	✓	

Question 43:

Time: 1 Min 1 Sec

Marks: 1/ 1

Refer the HTML code given below.

```
<html>

<body>

<table border="1">

<tr> <th colspan="2"> Customer Details </th><th>Regular</th>

<tr> <th>cid</th> <th>cname</th> <th>phone</th> </tr>

<tr> <td>100</td> <td>Jack</td> <td>5655765</td> </tr>

<tr> <td>101</td> <td>John</td> <td rowspan="2">8989092</td> </tr>

<tr> <td>102</td> <td>James</td> </tr>

</table>

</body>

</html>
```

How many cells will be displayed when the page is displayed on the browser?

Options	Response	Answer
10		
14		
13	✓	✓
11		

Question 44:

Time: 16 Sec

Marks: 1 / 1

Which is the CORRECT syntax for displaying a text area in a web page? while loading the page the default size of the text area should be 4 rows and 50 characters in each row.

Options	Response	Answer
<textarea rowsize="4" columnsize="50"> </textarea>		
<textarea rowsize="4" columns="50"> </textarea>		
<textarea rows="4" cols="50"> </textarea>	✓	✓
<textarea rowsize="4" chars="50"> </textarea>		

Question 45:

Time: 1 Min 20 Sec

Marks: 0 / 1

What will be the output of the following Java code?

MyInterface1.java

```
public interface MyInterface1 {  
    public void method1();  
}
```

MyInterface2.java

```
public interface MyInterface2 {  
    void method2();  
}
```

MyClass.java

```
public class MyClass implements MyInterface1, MyInterface2{  
    public void method1(){  
        System.out.print ("1 ");  
    }  
    void method2(){  
        System.out.print ("2");  
    }  
}
```

InterfaceTester.java

```
public class InterfaceTester {  
    public static void main(String[] args){  
        MyClass reference = new MyClass();  
        reference.method1();  
        reference.method2();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error: Cannot reduce the visibility of the inherited method from MyInterface2		✓
1 2	✓	
Compilation error: method2 in MyInterface2 must be defined with public access specifier		
Compilation error: MyClass cannot implement more than one interface		

Question 46:

Time: 55 Sec

Marks: 0/ 1

Refer the code given below:

```
public class Vehicle {
    private int vehicleId;
    private String vehicleName;
    public Vehicle(int vehicleId, String vehicleName) {
        this.vehicleId = vehicleId;
        this.vehicleName = vehicleName;
    }
    // Assume Getters and Setters are coded
}

public class Car extends Vehicle {
    private String carModel;
    private double average;
    //Line1
    // Assume getters and Setters are already coded...
}
```

Choose a valid Constructor implementation to be inserted at Line1 to make the above code compile successfully

Choose the most appropriate option.

Options	Response	Answer
<pre>public void Car(int vehicleId, String vehicleName, String carModel,double average) { super(vehicleId, vehicleName); //Java code to initialize carModel and average }</pre>	✓	
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { this.carModel = carModel; this.average = average; }</pre>		
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { super(vehicleId, vehicleName); //Java code to initialize carModel and average }</pre>		✓
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { //Java code to initialize carModel and average super(vehicleId, vehicleName); }</pre>		

Question 47:

Time: 15 Sec

Marks: 1/ 1

Arrange the following stages of Project Lifecycle according to SDLC.

- (1) Planning
- (2) Initiation
- (3) Closing
- (4) Execution

Choose the most appropriate option.

Options	Response	Answer
(2) - (1) - (3) - (4)		
(1) - (2) - (4) - (3)		
(2) - (1) - (4) - (3)	✓	✓
(1) - (2) - (3) - (4)		

Question 48:
Time: 1 Min 7 Sec
Marks: 1 / 1

Refer the code given below:

```
public class ApplicationTester{
    public static void main(String[] args){
        Employee emp = new Employee();
    }
}
```

Assume that class Employee is a valid Java class having instance variables as (employeeId of type integer and employeeName of type String).

Choose from below a VALID option.

Options	Response	Answer
As emp is local to main method all emp, employeeId and employeeName are created on stack		
emp is created on heap along with employeeId and employeeName		
emp reference variable is created on stack and employeeId and employeeName are created on heap	✓	✓
emp reference variable is created on heap and employeeId and employeeName are created on stack		

Question 49:

Time: 40 Sec

Marks: 1 / 1

In HTML, which is the CORRECT character entity to display ">" symbol?

Options	Response	Answer
&#gt;		
#gt;		
gt;		
>	✓	✓

Question 50:

Time: 1 Min 21 Sec

Marks: 1 / 1

Consider the tables given below.

Customer(customerId,(customerName)

Book(bookId, bookName)

Purchase(purchaseId, bookId, customerId)

bookId and customerId in purchase table are foreign keys referring to Book and Customer tables respectively. Which is the CORRECT SQL statement to retrieve customer name and book name for all books purchased by customers.

Options	Response	Answer
<pre> SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p ON c.customerId=p.customerId SELF JOIN book b ON b.bookid=p.bookid; </pre>		
<pre> SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p INNER JOIN book b ON b.bookid=p.bookid AND c.customerId=p.customerId; </pre>		
<pre> SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p ON c.customerId=p.customerId INNER JOIN book b ON b.bookid=p.bookid; </pre>	✓	✓
<pre> SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p ON c.customerId=p.customerId; </pre>		

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Test Taken on: February 28, 2019 03:32:41 PM IST

Finish State: Auto submit

Registration Details

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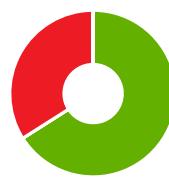
Overall Summary

MARKS SCORED

	Score	Percentile	Percentage
Section #1	33 / 50	33	66
Total	33 / 50	33	66

Percentile is among 2641 candidate(s) who've taken this test.

SUMMARY OF ATTEMPTS

17 Incorrect
(Scored 0/17)**33 Correct**
(Scored 33/33)

TIME TAKEN

1	20
hr	min

Available time: 1 hr 20 min

TOTAL QUESTIONS

50

Question-wise Details

Section #1

Question 1:

Time: 2 Min 57 Sec

Marks: 1/ 1

How many times will the Test() constructor be called?

```
class Test {  
    public Test() {  
        System.out.println("Inside Test Constructor");  
    }  
}  
  
public class ConstructorTester {  
    public static void main(String[] args) {  
        Test[] tests = new Test[5];  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
5 times		
1 time		
0 time	✓	✓
2 times		

Question 2:

Time: 1 Min 24 Sec

Marks: 1/ 1

Consider the table Salesman(SalesmanId, SalesmanName, TotalSales).

Which is the CORRECT SQL query to display details in the decreasing order (highest to lowest) of TotalSales and in the decreasing order of SalesmanId in case TotalSales is the same.

Options	Response	Answer
<pre>SELECT SalesmanId, SalesmanName, TotalSales FROM Salesman ORDER BY TotalSales DESC, SalesmanId DESC;</pre>	✓	✓
<pre>SELECT SalesmanId, SalesmanName, TotalSales FROM Salesman ORDER BY TotalSales DESC, SalesmanId;</pre>		
<pre>SELECT SalesmanId, SalesmanName, TotalSales FROM Salesman ORDER BY TotalSales, SalesmanId;</pre>		
<pre>SELECT SalesmanId, SalesmanName, TotalSales FROM Salesman ORDER BY TotalSales, SalesmanId DESC;</pre>		

Question 3:

Time: 2 Min 10 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class Customer {  
    public Customer(long points){  
        System.out.println("Total Points credited is "+points);  
    }  
    public Customer (long points, int validity){  
        System.out.println("Total points "+points+" with validity days are "+validity+" days");  
    }  
    public static void main(String[] args) {  
        Customer obj1 = new Customer(100L);  
        Customer obj2 = new Customer(100,20);  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Output is :Total points 100 with validity days are 20 days		
Output is :Total Points credited is 100 Total points 100 with validity days are 20 days	✓	✓
Compilation Error: The constructor Customer() is undefined		
Compilation Success but no output		

Question 4:

Time: 51 Sec

Marks: 1 / 1

Refer the JavaScript code given below.

```
<html>

<head>

<script>

function aFun(){

var num1=111;

var num2="111";

alert(num1==num2) //Line1

alert(num1===num2) //Line2

}

</script>

</head>

<button onclick='aFun()'>Click</button>

</html>
```

When the above code is executed, what will be the output produced by Line1 and Line2?

Options	Response	Answer
Output from Line1: true, Output from Line2: false	✓	✓
Output from Line1: false, Output from Line2: true		
Output from Line1: true, Output from Line2: true		
JavaScript will show a compilation error as "===" is not defined		

Question 5:

Time: 1 Min 11 Sec

Marks: 0/ 1

Which is the CORRECT syntax for displaying a text area in a web page? while loading the page the default size of the text area should be 4 rows and 50 characters in each row.

Options	Response	Answer
<textarea rowsize="4" chars="50"> </textarea>		
<textarea rowsize="4" columns="50"> </textarea>		
<textarea rowsize="4" columns="50"> </textarea>	✓	
<textarea rows="4" cols="50"> </textarea>		✓

Question 6:

Time: 1 Min 29 Sec

Marks: 0/ 1

Consider the table Customer given below.

CustomerId	CustomerName
101	John
102	Tom
103	twinkle
104	HELEN

What would be the output of the following SQL statement?

```
SELECT CustomerName FROM Customer
```

```
WHERE CustomerName LIKE 'T%' OR CustomerName LIKE '%N';
```

Options	Response	Answer
John		
Tom		
HELEN		
Tom		
twinkle		
Helen		
John	✓	
Tom		
HELEN		
twinkle		
Tom		✓
HELEN		

Question 7:

Time: 3 Min 43 Sec

Marks: 1/ 1

Refer the code given below:

```
public class Vehicle {  
    private int vehicleId;  
    private String vehicleName;  
    public Vehicle(int vehicleId, String vehicleName) {  
        this.vehicleId = vehicleId;  
        this.vehicleName = vehicleName;  
    }  
    // Assume Getters and Setters are coded  
}  
  
public class Car extends Vehicle {  
    private String carModel;  
    private double average;  
    //Line1  
    // Assume getters and Setters are already coded...  
}
```

Choose a valid Constructor implementation to be inserted at Line1 to make the above code compile successfully

Choose the most appropriate option.

Options	Response	Answer
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { this.carModel = carModel; this.average = average; }</pre>		
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { super(vehicleId, vehicleName); //Java code to initialize carModel and average }</pre>	✓	✓
<pre>public void Car(int vehicleId, String vehicleName, String carModel,double average) { super(vehicleId, vehicleName); //Java code to initialize carModel and average }</pre>		
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { //Java code to initialize carModel and average super(vehicleId, vehicleName); }</pre>		

Question 8:
Time: 1 Min 34 Sec
Marks: 1/ 1

What will be the output of the following Java code?

```
class Employee {  
    public Employee() {  
        System.out.println("From Constructor of Employee");  
    }  
}  
  
public class Tester {  
    public static void main(String[] args) {  
        Employee[] employee = new Employee[5];  
        employee[0] = new Employee(); //Line2  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error at Line2: Invalid assignment operation		
Prints the "From Constructor of Employee" 5 times		
Prints the "From Constructor of Employee" 6 times		
Prints the "From Constructor of Employee" 1 times	✓	✓

Question 9:

Time: 20 Sec

Marks: 1 / 1

Consider the table **Employee(empId,empName,jobBand)**.

Which is the CORRECT SQL statement to retrieve all unique jobBand from Employee table ?

Options	Response	Answer
SELECT jobBand DISTINCT from Employee;		
SELECT jobBand from Employee DISTINCT;		
SELECT DISTINCT jobBand,empld from Employee;		
SELECT DISTINCT jobBand from Employee;	✓	✓

Question 10:

Time: 1 Min 43 Sec

Marks: 0 / 1

Consider table **Employee**(Empld, EmpName,salary,deptNo).

WHICH is the CORRECT SQL statement to list employees whose salary is more than their department's average salary? The result should be in ascending order of department number.

Options	Response	Answer
<pre>SELECT e1.empId, e1.empName, e1.salary,e1.deptNo FROM employee e1 WHERE salary > (SELECT avg(e2.salary) FROM employee e2) ORDER BY e1.deptNo;</pre>	✓	
<pre>SELECT e1.empId, e1.empName, e1.salary,e1.deptNo FROM employee e1 ORDER BY e1.deptNo WHERE salary > (SELECT avg(e2.salary) FROM employee e2 WHERE e2.deptNo = e1.deptNo);</pre>		
<pre>SELECT e1.empId, e1.empName, e1.salary,e1.deptNo FROM employee e1 WHERE avg(salary) > (SELECT e2.salary FROM employee e2 WHERE e2.deptNo = e1.deptNo) ORDER BY e1.deptNo;</pre>		
<pre>SELECT e1.empId, e1.empName, e1.salary,e1.deptNo FROM employee e1 WHERE salary > (SELECT avg(e2.salary) FROM employee e2 WHERE e2.deptNo = e1.deptNo) ORDER BY e1.deptNo;</pre>		✓

What will be the output of the following Java code?

MyInterface1.java

```
public interface MyInterface1 {  
    public void method1();  
}
```

MyInterface2.java

```
public interface MyInterface2 {  
    void method2();  
}
```

MyClass.java

```
public class MyClass implements MyInterface1, MyInterface2{  
    public void method1(){  
        System.out.print ("1 ");  
    }  
    void method2(){  
        System.out.print ("2");  
    }  
}
```

InterfaceTester.java

```
public class InterfaceTester {  
    public static void main(String[] args){  
        MyClass reference = new MyClass();  
        reference.method1();  
        reference.method2();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error: MyClass cannot implement more than one interface		
Compilation error: method2 in MyInterface2 must be defined with public access specifier	✓	
1 2		
Compilation error: Cannot reduce the visibility of the inherited method from MyInterface2		✓

Question 12:

Time: 1 Min 7 Sec

Marks: 1/ 1

Consider table **Employee(EmployeId, EmployeeName,DeptCode)** .

Which is the CORRECT SQL query to display the EmployeId and EmployeeName of employees who are working in DeptCode 10 OR 20?

(i) SELECT EmployeId,EmployeeName FROM Employee WHERE DeptCode IN (10,20);

(ii) SELECT EmployeId,EmployeeName FROM Employee WHERE DeptCode = 10 OR DeptCode = 20;

Options	Response	Answer
Only (ii)		
Neither (i) nor (ii)		
Both (i) and (ii)	✓	✓
Only (i)		

Question 13:

Time: 2 Min 5 Sec

Marks: 1/ 1

Consider the following tables:

Account(AccountNumber, AccountOpeningDate, Balance). Here AccountNumber is

the primary key.

Transaction(TransactionId, AccountNumber, DateOfTransaction, Amount, TransactionType);

Here TransactionId is the primary key and AccountNumber is the foreign key

referencing AccountNumber in Account table.

Which is the CORRECT query to display AccountNumber and balance of accounts on which NO transaction was done after '31-Dec-2015';

Options	Response	Answer
<pre>SELECT AccountNumber,Balance FROM Account WHERE AccountNumber IN (SELECT AccountNumber FROM Transaction WHERE DateOfTransaction > '31-Dec- 2015');</pre>		

```
SELECT AccountNumber,Balance  
FROM Account  
  
WHERE AccountNumber NOT IN  
  
(SELECT AccountNumber FROM  
Transaction  
  
WHERE DateOfTransaction = '31-Dec-  
2015');
```

```
SELECT AccountNumber,Balance  
FROM Account  
  
WHERE AccountNumber NOT IN  
  
(SELECT AccountNumber FROM  
Transaction  
  
WHERE DateOfTransaction > '31-Dec-  
2015');
```

**Question 14:**

Time: 2 Min 6 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
public class ApplicationTester {  
    public static void main(String[] args){  
        String company = new String("Accenture Solutions Pvt Ltd");  
        String[] tokens = company.split(" ");  
        System.out.println(tokens.length);  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
1		
4	✓	✓
0		
3		

Question 15:

Time: 2 Min 2 Sec

Marks: 1/ 1

Assume that my_style.css is an existing and a valid css file. Which is the CORRECT way to refer this external style sheet?

Options	Response	Answer
<link> href= "my_style.css" </link>		
<link rel="stylesheet" type="text/css" href= "my_style.css" />	✓	✓
<stylesheet type="text/css" href= "my_style.css" />		
<style rel="stylesheet" type="text/css" href= "my_style.css" />		

Question 16:

Time: 2 Min 31 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
interface A{
    void display(); // Line X
}

class B implements A{
    void display(){ // Line Y
        System.out.println("B");
    }
}

public class Demo{
    public static void main(String[] args) {
        A a=new B();
        a.display(); // Line Z
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation Error at line Z: method 'display' is not defined in interface 'A'		
Compilation Error at line X: missing 'abstract' key		
B	✓	
Compilation Error at line Y: Cannot reduce the visibility of the inherited method from A		✓

Question 17:

Time: 1 Min 4 Sec

Marks: 1/ 1

Consider the table Employee(EmployeeNumber,EmployeeName,Salary,DeptCode).

Which is the CORRECT SQL statement to display DeptCode and average salary of each department?

Options	Response	Answer
SELECT DeptCode,avg(salary) FROM Employee GROUP BY Salary;		
SELECT DeptCode,avg(salary) FROM Employee GROUP BY EmployeeNumber;		
SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode;	✓	✓
SELECT DeptCode,avg(salary) FROM Employee;		

Question 18:

Time: 1 Min 56 Sec

Marks: 0/ 1

Consider the following Java class.

```
public class MyClass{
    public int add(int num1, int num2){
        //valid logic
    }
}
```

Consider the following add method implementations.

1)

```
int add(int a, int b,int c){
    return a+b;
}
```

2)

```
double add(double a, double b){
    return a+b;
}
```

3)

```
double add(int a, int b){
    return a+b;
}
```

Identify the CORRECT add method implementation/s which can be placed in MyClass?

Choose the most appropriate option.

Options	Response	Answer
Only 1		
All 1, 2 and 3	✓	
Both 1 and 2		✓
Both 2 and 3		

Question 19:

Time: 5 Min 1 Sec

Marks: 0/1

What will be the output of the following Java code?

```

1 public abstract class Bank {
2     protected double amount;
3
4     public Bank(){
5         this.amount = 1000.0;
6     }
7     public abstract void createAccount();
8     public double getAmount(){
9         return this.amount;
10    }
11 }
12
13 public class MyBank extends Bank{
14     public MyBank(){
15         this.amount = 2000.0;
16     }
17     public void createAccount(){
18         System.out.println("Account created");
19     }
20 }
21
22 public class ApplicationTester {
23     public static void main(String[] args){
24         Bank b = new MyBank();
25         b.createAccount();
26         System.out.println(b.getAmount());
27     }
28 }
29

```

Options	Response	Answer
Account created 1000.0	✓	
Compilation error at Line 4: Cannot have constructor in abstract class 'Bank'		
Compilation error at Line 24: Cannot have a reference of type 'Bank'		
Account created 2000.0		✓

Question 20:

Time: 1 Min 18 Sec

Marks: 1/ 1

Refer the class declarations given below:

```
class A{ }
```

```
class B extends A{ }
```

```
class C extends B{ }
```

```
class D extends C{ }
```

Identify the INCORRECT statement.

Choose the most appropriate option.

Options	Response	Answer
B b=new D();		
C c=new C();		
C c=new B();	✓	✓
A a = new D();		

Question 21:

Time: 2 Min 35 Sec

Marks: 0 / 1

Refer the code given below:

```
public class ApplicationTester{  
    public static void main(String[] args){  
        Employee emp = new Employee();  
    }  
}
```

Assume that class Employee is a valid Java class having instance variables as (employeeId of type integer and employeeName of type String).

Choose from below a VALID option.

Options	Response	Answer
As emp is local to main method all emp, employeeId and employeeName are created on stack	✓	
emp reference variable is created on stack and employeeId and employeeName are created on heap		✓
emp reference variable is created on heap and employeeId and employeeName are created on stack		
emp is created on heap along with employeeId and employeeName		

Question 22:

Time: 38 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
public class ApplicationTester {  
    public static void main(String[] args){  
        int data1=10, data2=10;  
  
        if (data1 > data2){  
            System.out.println("1");  
        } else {  
            System.out.println("2");  
        }  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
The code will display both 1 and 2		
1		
2	✓	✓
Compilation error: Invalid use of 'if'		

Question 23:

Time: 2 Min 45 Sec

Marks: 1/ 1

Consider the following tables:

Nominee(NomineeId, NomineeName, DateOfBirth, Relationship)

Account(AccountNumber, OpeningDate, Balance, NomineeId)

Which is the CORRECT SQL query to display AccountNumber, OpeningDate, NomineeName, DateOfBirth, Relationship of accounts including the accounts for which there are NO nominees?

Options	Response	Answer
<pre>SELECT Account.AccountNumber, Account.Ope ningDate, Nominee.NomineeName, Nominee.DateOfBirth, Nominee.Relatio nship FROM Account LEFT OUTER JOIN Nominee ON Account.NomineeId = Nominee.NomineeId;</pre>	✓	✓
<pre>SELECT Account.AccountNumber, Account.Ope ningDate, Nominee.NomineeName, Nominee.DateOfBirth, Nominee.Relatio nship FROM Account CROSS JOIN Nominee;</pre>		
<pre>SELECT Account.AccountNumber, Account.Ope ningDate, Nominee.NomineeName, Nominee.DateOfBirth, Nominee.Relatio nship FROM Nominee LEFT OUTER JOIN Account ON Account.NomineeId = Nominee.NomineeId;</pre>		
<pre>SELECT Account.AccountNumber, Account.Ope ningDate, Nominee.NomineeName, Nominee.DateOfBirth, Nominee.Relatio nship FROM Account INNER JOIN Nominee ON Account.NomineeId = Nominee.NomineeId;</pre>		

Question 24:

Time: 4 Min 45 Sec

Marks: 1/ 1

What will be the output of the following Java code?

Note: Parent class is present in a package called 'packageone'. The Child class and TestPackage class are present in a package called 'packagetwo'

Parent.java

```
package packageone;
public class Parent {
    protected void display(){
        System.out.println("Hello! its from package one");
    }
}
```

Child.java (Assume that necessary packages are imported)

```
package packagetwo;
public class Child extends Parent {
    public void display(){ //Line 1
        System.out.println("Hello! its from package two");
    }
}
```

TestPackage.java (Assume that necessary packages are imported)

```
package packagetwo;
public class TestPackage {
    public static void main(String[] args) {
        Parent p = new Parent();
        Child c = new Child();
        p.display(); // Line 2
        c.display(); // Line 3
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
It prints both : Hello! its from package one Hello! its from package two		
It prints only : Hello! its from package two		
Compilation error at Line 2 : The method display() from the type Parent is not visible	✓	✓
Compilation error at Line 1 : Cannot widen the visibility of the inherited method		

Question 25:

Time: 1 Min 7 Sec

Marks: 1/ 1

In HTML, which is the CORRECT character entity to display ">" symbol?

Options	Response	Answer
>	✓	✓
&#gt;		
gt;		
#gt;		

Question 26:

Time: 1 Min 21 Sec

Marks: 0/ 1

Which of the following statement/s is/are VALID array declaration in JavaScript?

(1) var mixed=['ABCD',1234,12.3,"Value","1"]

(2) var arrayVar=[1,2,3,4]

(3) var arrayVar={1,2,3,4}

Options	Response	Answer
Both (2) and (3)	✓	
All (1), (2) and (3)		
Both (1) and (2)		✓
Only (1)		

Question 27:
Time: 1 Min 11 Sec
Marks: 1 / 1

What will be the output of the following Java code? Assume that all classes are present in the same package.

```
class Account {
    int balance;
    public void createAccount() {
        System.out.println("Account created");
        balance = 500;
    }
}
class SavingsAccount extends Account {
    public void createAccount() {
        System.out.println("Savings account created");
        balance = 1000;
    }
}
public class ApplicationTester{
    public static void main(String[] args) {
        Account account = new SavingsAccount();
        account.createAccount();
        System.out.println("Balance: "+account.balance);
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Account created Balance: 500		
Account created Balance: null		
Savings account created Balance: 1000	✓	✓
Compilation Error: The field Account.balance is not visible		

Question 28:

Time: 53 Sec

Marks: 1 / 1

Assume that table **Player** has the following records.

PlayerId	Salary	PlayerAverage
P1	25000	75.5
P2	20000	70
P3	22000	70.5

How many row(s) will be deleted after executing the SQL statement given below?

DELETE FROM Player WHERE Salary>20000 OR PlayerAverage<=70;

Options	Response	Answer
1		
3	✓	✓
0		
2		

Question 29:

Time: 3 Min 5 Sec

Marks: 0 / 1

Assume that table **Event** is created using the below script.

```
CREATE TABLE Event(
    EventId VARCHAR2(5) CONSTRAINT Event_PK PRIMARY KEY,
    EventName VARCHAR2(20) CONSTRAINT Event_NN NOT NULL,
    StageNumber NUMBER(2) DEFAULT 1,
    NumberOfParticipants NUMBER(2));
```

Identify the correct insert statements which can be applied on Event table

- a) INSERT INTO Event VALUES('E1','Dance',NULL,2);
- b) INSERT INTO Event VALUES('E1','Speech',1);
- c) INSERT INTO Event(EventId,EventName) VALUES('E3','Drama');
- d) INSERT INTO Event(EventId,StageNumber,NumberOfParticipants) VALUES('E4',4,7)

Options	Response	Answer
a and d		
b and c	✓	
a and c		✓
a and b		

Question 30:
Time: 2 Min 17 Sec
Marks: 1 / 1

Analyse the code given below. Note that Employee.java is present in a package "pack1" and RegularEmployee.java is present in a package "pack2".

```

package pack1;
public class Employee{
    public int empid;
    protected float salary;
    private String name;
    String mailId;
}

-----
package pack2;
import pack1.Employee;
public class RegularEmployee extends Employee{
    public static void main(String[] args) {
        Employee emp=new Employee();
        // your code goes here
    }
}

```

Identify the CORRECT statement which can be added in the main method in place of "your code goes here".

Choose the most appropriate option.

Options	Response	Answer
System.out.println(emp.name)		
System.out.println(emp.salary)		
System.out.println(emp.mailld)		
System.out.println(emp.empid)	✓	✓

Question 31:
Time: 30 Sec
Marks: 1 / 1

Performance feedback allows which of the following actions?

- (1) To take action to improve your skills and performance so you are effective in your current and future roles
- (2) To have your say about how you think your colleagues are performing

Choose the most appropriate option.

Options	Response	Answer
Both (1) and (2)		
Only (1)	✓	✓
Neither (1) Nor (2)		
Only (2)		

Question 32:
Time: 2 Min 42 Sec
Marks: 0 / 1

Consider the Java code given below. When the code is executed, how many times "1" will be printed?

```
public class Tester{
    public static void main(String[] args){
        for (int i = 0; i < 2; i++) {
            for (int j = 0; j < 4; j++) {
                System.out.print("1 ");
                if(j>2){
                    break;
                }
            }
        }
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
6 times	✓	
8 times		✓
4 times		
2 times		

Question 33:

Time: 21 Sec

Marks: 1 / 1

What are the benefits of ADM?

- (1) Project standardization and customization
- (2) Common project management framework

Choose the most appropriate option.

Options	Response	Answer
Both (1) and (2)	✓	✓
Only (2)		
Neither (1) Nor (2)		
Only (1)		

Question 34:

Time: 36 Sec

Marks: 1/ 1

Which of the following options are the characteristics of Agile development?

- (a) It delivers functional bits of the application as soon as they are ready
- (b) It helps teams respond to unpredictability through incremental, iterative work

Choose the most appropriate option.

Options	Response	Answer
Only (b)		
Neither (a) Nor (b)		
Only (a)		
Both (a) and (b)	✓	✓

Question 35:

Time: 13 Sec

Marks: 0/ 1

An end to end testing of application by client users is known as -----

Choose the most appropriate option.

Options	Response	Answer
Unit Testing	✓	
Performance Testing		
Product Testing		
Acceptance Testing		✓

Question 36:

Time: 1 Min 6 Sec

Marks: 0/ 1

Assume that below code is present in the head tag of a HTML page.

```
<style>
.myclass{
    background-color: lightgrey;
    color:blue;
}
</style>
```

Which is the CORRECT way of using this style?

Options	Response	Answer
<h1 style="myclass">Welcome to My Homepage</h1>	✓	
<h1 class=".myclass">Welcome to My Homepage</h1>		
<h1 class="myclass">Welcome to My Homepage</h1>		✓
<h1 id="myclass">Welcome to My Homepage</h1>		

Question 37:

Time: 33 Sec

Marks: 1/ 1

Which is the CORRECT SQL statement to add the new column "DateOfJoining" to an existing table "Employee"?

Options	Response	Answer
CREATE TABLE Employee ADD DateOfJoining DATE;		
ALTER TABLE Employee ADD DateOfJoining DATE;	✓	✓
ALTER TABLE Employee MODIFY DateOfJoining DATE;		
ALTER TABLE Employee UPDATE DateOfJoining DATE;		

Question 38:

Time: 1 Min 16 Sec

Marks: 1/ 1

Which of the following actions should be performed to ensure cyber safety at a user level?

- (i) Automatic downloads from the websites should be enabled
- (ii) Automatic security updates should be installed
- (iii) Firewall should be turned off if the system has the latest security update

Choose the most appropriate option

Options	Response	Answer
Only (iii)		
Both (ii) and (iii)		
Only (ii)	✓	✓
Both (i) and (ii)		
Both (i) and (iii)		

Question 39:

Time: 18 Sec

Marks: 1/ 1

Which among the following are DevOps Principle?

- (i) Automate Everything
- (ii) Test early and often
- (iii) Strong source control

Choose the most appropriate option.

Options	Response	Answer
Only (ii) and (iii)		
All (i), (ii) and (iii)	✓	✓
Only (i) and (iii)		
Only (i) and (ii)		

Question 40:

Time: 1 Min 0 Sec

Marks: 0/ 1

Refer the Incomplete JavaScript code given below:

```
<script>  
  
var gVar='This is global value';  
  
function aFun(){  
  
    var gVar='Local Data1';  
  
    //Line1  
  
}  
  
</script>  
  
<button onclick='aFun()'>Click</button>
```

Identify the CORRECT option which if placed at Line1 will display the alert message 'This is global value'

Options	Response	Answer
alert(gVar)	✓	
alert(global.gVar)		
alert(window.gVar)		✓
alert(document.gVar)		

Question 41:

Time: 22 Sec

Marks: 1 / 1

Which of the following statement(s) are TRUE regarding Java architecture?

- (i) Byte code or .class file is platform independent
- (ii) JVM is platform independent

Choose the most appropriate option.

Options	Response	Answer
Only (ii) is TRUE		
Both (i) and (ii) are TRUE		
Neither (i) Nor (ii) are TRUE		
Only (i) is TRUE	✓	✓

Question 42:

Time: 1 Min 8 Sec

Marks: 0/ 1

Consider the Java code given below.

```
public class Rectangle {
    private int length;
    private int width;
    public static void main(String[] args) {
        Rectangle rectangle1 = new Rectangle();
        rectangle1.length=10;
        rectangle1.width=5;
        Rectangle rectangle2 = rectangle1;
        System.out.println("Length : "+rectangle2.length);
        System.out.println("Width : "+rectangle2.width);
    }
}
```

With respect to the above code, identify where the instance variables 'length' and 'width' will be stored in the memory? And where 'rectangle1' will be stored in the memory?

Choose the most appropriate option.

Options	Response	Answer
length', 'width' and 'rectangle1' will be stored in heap		
length' and 'width' will be stored in stack, 'rectangle1' will be stored in heap		
length', 'width' and 'rectangle1' will be stored in stack	✓	
length' and 'width' will be stored in heap, 'rectangle1' will be stored in stack		✓

Question 43:

Time: 36 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class MyClass {

    public static void main(String[] args) {
        boolean b1=true;
        boolean b2=true;
        boolean b3=false;

        if((b1!=b2)|| (b3==true)){
            System.out.println("inside if");
        }
        System.out.println(b1+","+b2+","+b3);
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
inside if		
true,true,false	✓	✓
inside if true,true,false		
inside if true,true,true		

Question 44:

Time: 1 Min 14 Sec

Marks: 0/1

Refer the code given below:

```
class Employee{  
  
    public void printDetails(){  
  
        Printer printer = new Printer();  
  
        printer.print("Test Print");  
  
    }  
  
}
```

```
class Printer{  
  
    public void print(String str){  
  
        System.out.println("Priting Details: "+str);  
  
    }  
  
}
```

Choose from below a valid option that represents the relationship in between the classes Employee and Printer

Choose the most appropriate option.

Options	Response	Answer
Composition	✓	
Generalization		
Aggregation		✓
Specialization		

Question 45:

Time: 26 Sec

Marks: 1/ 1

Arrange the following stages of Project Lifecycle according to SDLC.

- (1) Planning
- (2) Initiation
- (3) Closing
- (4) Execution

Choose the most appropriate option.

Options	Response	Answer
(2) - (1) - (4) - (3)	✓	✓
(1) - (2) - (4) - (3)		
(1) - (2) - (3) - (4)		
(2) - (1) - (3) - (4)		

Question 46:

Time: 1 Min 7 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class DoWhileTester{  
    public static void main(String[] args) {  
        int number = 26;  
        do {  
            if (number % 2 == 0) {  
                System.out.println(number);  
            }  
            number++;  
        } while (number < 25);  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
25		
24		
0		
26	✓	✓

Question 47:

Time: 30 Sec

Marks: 1 / 1

Refer the HTML code given below.

```
<html>
<body>
<table border="1">
<tr><th>A</th> <th colspan="2">B</th>
<tr> <th rowspan="3">C</th> <th>D</th> <th>E</th> </tr>
<tr> <th>A</th> <th>B</th></tr>
<tr> <th>D</th> <th>E</th></tr>
</table>
</body>
</html>
```

How many cells will be displayed when the page is displayed on the browser?

Options	Response	Answer
10		
9	✓	✓
8		
11		

Question 48:

Time: 22 Sec

Marks: 1 / 1

Which of the following statement/s is/are TRUE with respect to Community Cloud?

- (1) Exclusively owned and operated by a single organization
- (2) Available for use by a shared community consisting of several organizations

Choose the most appropriate option.

Options	Response	Answer
Neither (1) Nor (2)		
Both (1) and (2)		
Only (1)		
Only (2)	✓	✓

Question 49:

Time: 19 Sec

Marks: 0 / 1

What will be the output of the following Java code?

```
public class StaticTester{  
    private static int count;  
    public static void main(String[] args) {  
        count++;  
        new StaticTester().count++;  
        StaticTester.count--;  
        StaticTester s = new StaticTester();  
        s.count = s.count + 5;  
        StaticTester staticTester = new StaticTester();  
        System.out.println("Count is " +staticTester.count);  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Count is 6		✓
Count is 0		
Count is 5		
Count is 1	✓	

Question 50:

Time: 55 Sec

Marks: 1/ 1

Consider the below tables.

Publisher(PublisherCode, PublisherName, Address, Email). Here PublisherCode is the primary key;

Book (ISBN, Title, Author, Price, PublisherCode). Here ISBN is the Primary Key and PublisherCode is the foreign key referencing the PublisherCode in Publisher table.

Which is the CORRECT SQL query to display ISBN, Title, Author, PublisherCode and PublisherName for all the books.

Options	Response	Answer
<pre>SELECT ISBN,Title,Author,PublisherCode,Publis herName FROM Book INNER JOIN Publisher ON PublisherCode = PublisherCode;</pre>		
<pre>SELECT Book.ISBN, Book.Title, Book.Author, Book.PublisherCode, Publisher.PublisherName FROM Book,Publisher;</pre>		
<pre>SELECT Book.ISBN, Book.Title, Book.Author, Book.PublisherCode, Publisher.PublisherName FROM Book INNER JOIN Publisher ON Book.PublisherCode = Publisher.PublisherCode;</pre>	✓	✓
<pre>SELECT Book.ISBN, Book.Title, Book.Author, Book.PublisherCode, Publisher.PublisherName FROM Book SELF JOIN Publisher ON Book.PublisherCode = Publisher.PublisherCode;</pre>		

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Test Taken on: February 27, 2019 03:17:32 PM IST

Finish State: Normal

Registration Details

Email k.kumar.pinninti@accenture.com**First Name:** Kranthi**Address:**

Overall Summary

MARKS SCORED

	Score	Percentile	Percentage
Section #1	19 / 20	96	95
Total	19 / 20	96	95

Percentile is among 6543 candidate(s) who've taken this test.

SUMMARY OF ATTEMPTS

**1 Incorrect
(Scored 0/1)****19 Correct
(Scored 19/19)**

TIME TAKEN

0	13
hr	min

Available time: 0 hr 30 min

TOTAL QUESTIONS

20

Question-wise Details

Section #1

Question 1:

Time: 46 Sec

Marks: 1/ 1

Consider table Book(bookId, bookName,copies) has following records.

bookId bookName copies

----- ----- -----

B1 JAVA 0

B2 4

B3 ORACLE 2

Identify the output of the SQL statement given below.

SELECT COUNT(bookName) FROM Book WHERE copies>0;

Choose the most appropriate option.

Options	Response	Answer
1	✓	✓
2		
3		
0		

Question 2:

Time: 14 Sec

Marks: 1 / 1

Consider table Department(deptId,deptName). Which of the following query is used to display the department details whose deptname has second letter as 'a' and second last letter as 'e'? Choose most appropriate option.

Options	Response	Answer
SELECT * FROM department WHERE deptname LIKE '_a%e_';	✓	✓
SELECT * FROM department WHERE deptname LIKE 'a%e_';		
SELECT * FROM department WHERE deptname LIKE '%a%e_';		
SELECT * FROM department WHERE deptname LIKE 'a%e%';		

Question 3:

Time: 13 Sec

Marks: 1 / 1

Consider the table Employee(empid,jobBand).

Which is the CORRECT DML statement to update the job band of all employees to NULL? Choose most appropriate option.

Options	Response	Answer
UPDATE TABLE employee SET jobBand is NULL;		
UPDATE employee SET jobBand = NULL;	✓	✓
UPDATE TABLE employee SET jobBand = NULL;		
UPDATE employee SET jobBand is NULL;		

Question 4:
Time: 39 Sec

Marks: 1 / 1

Consider table Account(accountId, balance). Identify the SQL queries which gives the same result. Choose two most appropriate options.

Options	Response	Answer
SELECT * FROM Account WHERE balance>1000 AND balance<5000;		
SELECT * FROM Account WHERE balance>=1000 OR balance<=5000;		
SELECT * FROM Account WHERE balance between 1000 AND 5000;	✓	✓
SELECT * FROM Account WHERE balance>=1000 AND balance<=5000;	✓	✓

Candidate responses were captured before updation of the question with restrictions on maximum responses.

Question 5:
Time: 33 Sec

Marks: 1 / 1

Identify the CORRECT statement(s)

- (a) A column with UNIQUE constraint can have NULL values
- (b) FOREIGN KEY column can have NULL values
- (c) A TABLE can have more than one PRIMARY KEY column
- (d) FOREIGN KEY column can refer to PRIMARY KEY column of same table only

Choose most appropriate option.

Options	Response	Answer
a and b	✓	✓
a and d		
b and c		
a, b and d		

Question 6:

Time: 2 Min 5 Sec

Marks: 1 / 1

Consider the table Project(ProjectId, ProjectName, ProjectType) is created without any constraint and has the records as per the attachment.

ProjectId	ProjectName	ProjectType
P1	FIN	A1
P2	SALE	A2
P1	FIN	A1

Identify the ALTER statement which executes successfully on project table. Choose most appropriate option.

Options	Response	Answer
ALTER TABLE Project ADD CONSTRAINT proj_pk PRIMARY KEY(ProjectId);		
ALTER TABLE Project ADD CONSTRAINT proj_uq UNIQUE(ProjectName);		
ALTER TABLE Project ADD CONSTRAINT proj_nn NOT NULL(ProjectType);		
ALTER TABLE Project ADD CONSTRAINT proj_chk CHECK(ProjectType IN('A1','A2'));	✓	✓

Question 7:

Time: 1 Min 44 Sec

Marks: 1 / 1

What would be the output of the SQL statement given below? SELECT TRANSLATE('aAB-Cb-abc','abc-','123*') FROM DUAL;

Choose most appropriate option.

Options	Response	Answer
112*32*123		
112-32-123		
1AB-C2-123		
1AB*C2*123	✓	✓

Question 8:

Time: 15 Sec

Marks: 1/ 1

Identify the CORRECT statements with respect to constraints.

- (i) A table can have only one FOREIGN KEY
- (ii) A column with UNIQUE constraint cannot have NULL value

choose most appropriate option.

Options	Response	Answer
only (i)		
only (ii)		
both (i) and (ii)		
neither (i) nor (ii)	✓	✓

Question 9:

Time: 23 Sec

Marks: 1/ 1

Consider the Tables given below:

Product(productId,productName)

ProductOrder(orderId,productId,quantity)

productId column of ProductOrder is a Foreign key referring to Product Table. Identify the appropriate SQL statement which will fetch the ProductId,ProductName,OrderId for all the Product ordered and display 'Yet to be Ordered' if a product has not been ordered till now.

Choose most appropriate option.

Options	Response	Answer
<pre>SELECT p1.productId,p1.productName,NVL(p2. orderId,'Yet to be Ordered') FROM Product p1 INNER JOIN ProductOrder p2 ON p1.productId=p2.productId;</pre>		
<pre>SELECT p1.productId,p1.productName,NVL(p2. orderId,'Yet to be Ordered') FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;</pre>	✓	✓
<pre>SELECT p1.productId,p1.productName,NVL(p2. orderId,'Yet to be Ordered') FROM Product p1 RIGHT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;</pre>		
<pre>SELECT p1.productId,p1.productName,NVL('Yet to be Ordered',p2.orderId) FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;</pre>		

Question 10:

Time: 12 Sec

Marks: 1 / 1

Consider the tables given below.

Customer(customerId,(customerName)

Book(bookId, bookName)

Purchase(purchaseId, bookId, customerId)

bookId and customerId in purchase table are foreign keys referring to Book and Customer tables respectively. Which is the CORRECT SQL statement to retrieve customer name and book name for all books purchased by customers?

Choose most appropriate option.

Options	Response	Answer
<pre>SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p ON c.customerId=p.customerId SELF JOIN book b ON b.bookid=p.bookid;</pre>		
<pre>SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p INNER JOIN book b ON b.bookid=p.bookid AND c.customerId=p.customerId;</pre>		
<pre>SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p ON c.customerId=p.customerId INNER JOIN book b ON b.bookid=p.bookid;</pre>	✓	✓
<pre>SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p ON c.customerId=p.customerId;</pre>		

Question 11:**Time: 16 Sec****Marks: 1/ 1**

Consider the table Account (accid, balance, accountType). The following constraints to be enforced.

1. Accid should be unique and Not Null
2. Account type should be 'C' or 'S'. Balance should be greater than 1000 and 3000 for account type 'C' and 'S' respectively

Identify the CORRECT SQL statement to create the Account table with the above mentioned constraints. Choose most appropriate option.

Options	Response	Answer
CREATE TABLE account(accid NUMBER(2) CONSTRAINT acc_pk PRIMARY KEY, balance NUMBER(4), accountType CHAR, CONSTRAINT acc_chk CHECK (accountType='S' AND balance>3000) AND (accountType='C' AND balance >1000));		
CREATE TABLE account(accid NUMBER(2) CONSTRAINT acc_pk1 PRIMARY KEY, balance NUMBER(4) CONSTRAINT acc_chk CHECK(balance>1000 OR balance >3000), accountType CHAR CONSTRAINT acc_chk CHECK (accountType='S' OR accountType='C'));		
CREATE TABLE account(accid NUMBER(2) CONSTRAINT acc_pk PRIMARY KEY, balance NUMBER(4), accountType CHAR, CONSTRAINT acc_chk1 CHECK (accountType='S' AND balance>3000), CONSTRAINT acc_chk2 CHECK (accountType='C' AND balance >1000));		
CREATE TABLE account(accid NUMBER(2) CONSTRAINT acc_pk PRIMARY KEY, balance NUMBER(4), accountType CHAR, CONSTRAINT acc_chk CHECK ((accountType='S' AND balance>3000) OR (accountType='C' AND balance >1000));	✓	✓

Question 12:

Time: 27 Sec

Marks: 0/ 1

Consider the below tables are created and has some records. Account(accountId,accountType,balance)
Transaction(transactionId,accountId,transactionType,amount)

AccountId in transaction table is a foreign key referring to accountId of account table. Which is the CORRECT SQL statement to retrieve accountId and accountType for which more than three transactions are recorded?

Choose most appropriate option.

Options	Response	Answer
SELECT accountId,accountType FROM account WHERE accountId IN(SELECT COUNT(transactionid) FROM transaction GROUP BY accountId HAVING COUNT(transactionid)>3);	✓	
SELECT accountId,accountType FROM account WHERE accountId IN(SELECT accountId FROM transaction GROUP BY accountId HAVING COUNT(transactionid)>3);		✓
SELECT accountId,accountType FROM account WHERE accountId IN(SELECT accountId FROM transaction WHERE COUNT(transactionid)>3 GROUP BY accountId);		
SELECT accountId,accountType FROM account GROUP BY accountId HAVING COUNT(accountId)=(SELECT COUNT(accountId)FROM transaction GROUP BY accountId HAVING COUNT(transactionid)>3);		

Question 13:

Time: 8 Sec

Marks: 1/ 1

Which of the following is/are the inline html elements?

(i) <i>

(ii) <h6>

(iii) <a>

Choose most appropriate option.

Options	Response	Answer
(i) and (iii)	✓	✓
(ii) and (iii)		
only (i)		
(i), (ii) and (iii)		

Question 14:

Time: 32 Sec

Marks: 1 / 1

Assume below code present in the HEAD tag of a HTML page.

```
<style> #myclass{ background-color: lightgrey; color:blue; } </style>
```

Identify the appropriate HTML code to Use the Style given Above. Choose most appropriate option.

Options	Response	Answer
<h1 id="myclass">Welcome to My Homepage</h1>	✓	✓
<h1 style="myclass">Welcome to My Homepage</h1>		
<h1 class="myclass">Welcome to My Homepage</h1>		
<h1 class=".myclass">Welcome to My Homepage</h1>		

Question 15:

Time: 7 Sec

Marks: 1 / 1

```

1 <!DOCTYPE html>
2 <html>
3   <body>
4     <script>
5       var x = (3 + 3) + 4 + "6";
6       alert(x); //line 1
7     </script>
8   </body>
9 </html>
10

```

What will be printed in alert box in line 1? Choose most appropriate option.

Options	Response	Answer
3346		
646		
106	✓	✓
16		

Question 16:

Time: 24 Sec

Marks: 1/ 1

Which is the correct CSS code to display the text "Accenture" in light grey back ground? Choose most appropriate option.

Options	Response	Answer
<h2 style = "background-color : lightgrey">Accenture</h2>	✓	✓
<h2 background-color : lightgrey>Accenture</h2>		
<h2 style = "background-color(lightgrey)">Accenture</h2>		
<h2 style = "background-color = lightgrey">Accenture</h2>		

Question 17:

Time: 3 Min 22 Sec

Marks: 1/ 1

What would be the output of the java script code given below?

```
1 <html>
2   <head>
3     <script>
4       var data1=100;
5       function test()
6     {
7       var data1=200;
8       window.data1=data1+10;
9     }
10    test();
11    document.write(data1);
12  </script>
13 </head>
14 <body>
15 </body>
16 </html>
17
```

Choose most appropriate option.

Options	Response	Answer
100		
200		
210	✓	✓
110		

Question 18:

Time: 26 Sec

Marks: 1/ 1

Which of the following are CORRECT statement?

- a) onClick() and onFocus() are DOM events
- b) In Java Script, a browser is represented by an implicit object called Document
- c) Java Script is used for Server side validation

Choose most appropriate option.

Options	Response	Answer
a and c		
only a	✓	✓
b and c		
a and b		

Question 19:

Time: 14 Sec

Marks: 1 / 1

Refer the HTML code given below.

```
1 <html> <body>
2   <table border="1">
3     <tr><th>A</th>
4       <th colspan="2">B</th>
5     </tr>
6     <tr> <th rowspan="3">C</th>
7       <th>D</th>
8       <th>E</th>
9     </tr>
10    <tr>
11      <th>A</th>
12      <th rowspan="2">B</th>
13    </tr>
14    <tr>
15      <th>D</th>
16    </tr>
17  </table>
18  </body>
19 </html>
20
```

How many cells will be displayed when the page is displayed on the browser? Choose most appropriate option.

Options	Response	Answer
7		
10		
9		
8	✓	✓

Question 20:

Time: 13 Sec

Marks: 1 / 1

Refer the HTML code given below.

```
1 <html>
2   <body>
3     <table border="1">
4       <tr>
5         <th>A</th>
6         <th colspan="2">B</th>
7       </tr>
8       <tr>
9         <th rowspan="3">C</th>
10        <th>D</th>
11        <th>E</th>
12      </tr>
13      <tr>
14        <th>A</th>
15        <th>B</th>
16      </tr>
17      <tr>
18        <th>D</th>
19        <th>E</th>
20      </tr>
21    </table>
22  </body>
23</html>
```

How many cells will be displayed when the page is displayed on the browser? Choose most appropriate option.

Options	Response	Answer
8		
11		
10		
9	✓	✓

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Test Taken on: February 27, 2019 12:33:39 PM IST

Finish State: Normal

Registration Details

Email debanjan.bal@accenture.com**First Name:** Debanjan**Address:**

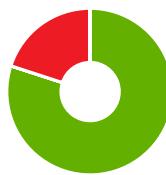
Overall Summary

MARKS SCORED

	Score	Percentile	Percentage
Section #1	16 / 20	71	80
Total	16 / 20	71	80

Percentile is among 6543 candidate(s) who've taken this test.

SUMMARY OF ATTEMPTS

4 Incorrect
(Scored 0/4)**16 Correct**
(Scored 16/16)

TIME TAKEN

0	22
hr	min

Available time: 0 hr 30 min

TOTAL QUESTIONS

20

Question-wise Details

Section #1

Question 1:

Time: 1 Min 5 Sec

Marks: 0/1

Consider table Product(productId, price). Identify the appropriate SQL statement to display all products whose price range is 2500 and 5000(exclusive 2500 and 5000). Choose two most appropriate options.

Options	Response	Answer
SELECT * FROM Product WHERE price BETWEEN 2500 AND 5000;	✓	
SELECT * FROM Product WHERE price>2500 AND price<5000;	✓	✓
SELECT * FROM Product WHERE price>=2500 AND price<=5000;		
SELECT * FROM Product WHERE price BETWEEN 2501 AND 4999;		✓

Candidate responses were captured before updation of the question with restrictions on maximum responses.

Question 2:

Time: 1 Min 54 Sec

Marks: 0/1

Consider table Book(bookId, bookName,copies) has following records.

bookId bookName copies

----- ----- -----

B1 JAVA 0

B2 4

B3 ORACLE 2

Identify the output of the SQL statement given below.

SELECT COUNT(bookName) FROM Book WHERE copies>0;

Choose the most appropriate option.

Options	Response	Answer
1		✓
2	✓	
3		
0		

Question 3:

Time: 59 Sec

Marks: 1 / 1

Consider table Event(EventId, dateOfEvent) has following records.

EventId	DateOfEvent
---------	-------------

E1	12-JAN-2018
----	-------------

E2

E3	13-JUN-2018
----	-------------

Identify the appropriate SQL statement to retrieve the eventid for which there is no date available.

Choose the most appropriate option.

Options	Response	Answer
SELECT eventId FROM Event WHERE dateOfEvent IS NULL;	✓	✓
SELECT eventId FROM Event WHERE dateOfEvent = NULL;		
SELECT eventId FROM Event WHERE dateOfEvent LIKE "NULL";		
SELECT eventId FROM Event WHERE dateOfEvent IS "NULL";		

Question 4:

Time: 33 Sec

Marks: 1/ 1

Consider the table Employee(empld,empName,jobBand). Which is the CORRECT SQL statement to retrieve all UNIQUE jobBand from Employee table ? Choose most appropriate option.

Options	Response	Answer
SELECT jobBand DISTINCT from Employee;		
SELECT DISTINCT jobBand,empld from Employee;		
SELECT DISTINCT(jobBand) from Employee;		
SELECT DISTINCT jobBand from Employee;	✓	✓

Question 5:

Time: 1 Min 11 Sec

Marks: 1/ 1

Consider the table Item(ItemCode, ItemName, Price, Category). Which is the CORRECT SQL query to display minimum price for categories 'A' , 'C'? Choose most appropriate option.

Options	Response	Answer
SELECT Category,MIN(Price) FROM Item WHERE Category IN ('A','C');		
SELECT Category, MIN(Price) FROM Item GROUP BY Category WHERE Category IN ('A','C');		
SELECT MIN(Price) FROM Item GROUP BY Price HAVING Category IN('A','C');		
SELECT Category,MIN(Price) FROM Item WHERE Category IN ('A','C') GROUP BY Category;	✓	✓

Question 6:

Time: 1 Min 29 Sec

Marks: 1/ 1

Consider table Product(pid, ptype). Identify the appropriate SQL statement to display the product type and count of products in each product type only if there are more than two products. Choose most appropriate option.

Options	Response	Answer
SELECT ptype, COUNT(pid) FROM Product GROUP BY ptype HAVING COUNT(pid)>2;	✓	✓
SELECT ptype, COUNT(pid) FROM Product WHERE COUNT(pid)>2 GROUP BY ptype;		
SELECT ptype, COUNT(pid) FROM Product GROUP BY ptype WHERE COUNT(pid)>2;		
SELECT ptype, COUNT(pid) FROM Product HAVING COUNT(pid)>2 GROUP BY ptype;		

Question 7:

Time: 42 Sec

Marks: 1/ 1

Identify the CORRECT statements with respect to constraints.

- (i) A table can have only one FOREIGN KEY
- (ii) A column with UNIQUE constraint cannot have NULL value

choose most appropriate option.

Options	Response	Answer
only (i)		
only (ii)		
both (i) and (ii)		
neither (i) nor (ii)	✓	✓

Question 8:

Time: 2 Min 8 Sec

Marks: 0/ 1

Consider table Register(registerId VARCHAR2(10), dateOfRegistration DATE).

Note: There are no constraints added to any columns and table has no records. Which of the following SQL statements executes successfully on Register table.

- a) ALTER TABLE Register MODIFY registerId NUMBER(10);
- b) ALTER TABLE Register ADD CONSTRAINT date_nn NOT NULL(DATE);

choose most appropriate option.

Options	Response	Answer
only a		✓
only b		
both a and b	✓	
neither a nor b		

Question 9:

Time: 27 Sec

Marks: 1/ 1

Consider the below tables.

Customer(customerId,customerName) - customerId is primary key
Account(accountId,accountType,balance,customerId) - accountId is primary key and customerId is foreign key.

Which is the CORRECT SQL statement to retrieve customerId, customerName, accountId and balance for all customers. It should also display the details of the customers who are not having any account.

Choose most appropriate option.

Options	Response	Answer
SELECT c.customerId,c.customerName,a.accou ntId,a.balance FROM customer c RIGHT OUTER JOIN account a ON c.customerId=a.customerId;		
SELECT c.customerId,c.customerName,a.accou ntId,a.balance FROM account a LEFT OUTER JOIN customer c ON c.customerId=a.customerId;		
SELECT c.customerId,c.customerName,a.accou ntId,a.balance FROM customer c INNER JOIN account a ON c.customerId=a.customerId;		
SELECT c.customerId,c.customerName,a.accou ntId,a.balance FROM account a RIGHT OUTER JOIN customer c ON c.customerId=a.customerId;	✓	✓

Question 10:

Time: 43 Sec

Marks: 1 / 1

Consider the tables given below.

Customer(customerId,(customerName)

Book(bookId, bookName)

Purchase(purchaseId, bookId, customerId)

bookId and customerId in purchase table are foreign keys referring to Book and Customer tables respectively. Which is the CORRECT SQL statement to retrieve customer name and book name for all books purchased by customers?

Choose most appropriate option.

Options	Response	Answer
SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p ON c.customerId=p.customerId SELF JOIN book b ON b.bookid=p.bookid;		
SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p INNER JOIN book b ON b.bookid=p.bookid AND c.customerId=p.customerId;		
SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p ON c.customerId=p.customerId INNER JOIN book b ON b.bookid=p.bookid;	✓	✓
SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p ON c.customerId=p.customerId;		

Question 11:

Time: 1 Min 58 Sec

Marks: 1/ 1

Consider table Employee(EmpId, EmpName,salary,deptNo). Which is the CORRECT SQL statement to list employees whose salary is more than their department's average salary? The result should be in ascending order of department number. Choose most appropriate option.

Options	Response	Answer
<pre>SELECT e1.empId, e1.empName, e1.salary,e1.deptNo FROM employee e1 WHERE e1.salary > (SELECT avg(e2.salary) FROM employee e2) ORDER BY e1.deptNo;</pre>		
<pre>SELECT e1.empId, e1.empName, e1.salary,e1.deptNo FROM employee e1 ORDER BY e1.deptNo WHERE e1.salary > (SELECT avg(e2.salary) FROM employee e2 WHERE e2.deptNo = e1.deptNo);</pre>		
<pre>SELECT e1.empId, e1.empName, e1.salary,e1.deptNo FROM employee e1 WHERE avg(e1.salary) > (SELECT e2.salary FROM employee e2 WHERE e2.deptNo = e1.deptNo) ORDER BY e1.deptNo;</pre>		
<pre>SELECT e1.empId, e1.empName, e1.salary,e1.deptNo FROM employee e1 WHERE e1.salary > (SELECT avg(e2.salary) FROM employee e2 WHERE e2.deptNo = e1.deptNo) ORDER BY e1.deptNo;</pre>	✓	✓

Question 12:

Time: 1 Min 19 Sec

Marks: 1/ 1

Consider the below tables are created and has some records. Account(accountId,accountType,balance)
Transaction(transactionId,accountId,transactionType,amount)

AccountId in transaction table is a foreign key referring to accountId of account table. Which is the CORRECT SQL statement to retrieve accountId and accountType for which more than three transactions are recorded?

Choose most appropriate option.

Options	Response	Answer
SELECT accountId,accountType FROM account WHERE accountid IN(SELECT COUNT(transactionid) FROM transaction GROUP BY accountid HAVING COUNT(transactionid)>3);		
SELECT accountId,accountType FROM account WHERE accountid IN(SELECT accountid FROM transaction GROUP BY accountid HAVING COUNT(transactionid)>3);	✓	✓
SELECT accountId,accountType FROM account WHERE accountid IN(SELECT accountid FROM transaction WHERE COUNT(transactionid)>3 GROUP BY accountid);		
SELECT accountId,accountType FROM account GROUP BY accountId HAVING COUNT(accountId)= SELECT COUNT(accountid)FROM transaction GROUP BY accountid HAVING COUNT(transactionid)>3);		

Question 13:

Time: 28 Sec

Marks: 1/ 1

Which of the following is/are the inline html elements?

(i) <i>

(ii) <h6>

(iii) <a>

Choose most appropriate option.

Options	Response	Answer
(i) and (iii)	✓	✓
(ii) and (iii)		
only (i)		
(i), (ii) and (iii)		

Question 14:

Time: 27 Sec

Marks: 1 / 1

```
1 <!DOCTYPE html>
2 <html>
3   <body>
4     <script>
5       var x = (3 + 3) + 4 + "6";
6       alert(x); //line 1
7     </script>
8   </body>
9 </html>
10
```

What will be printed in alert box in line 1? Choose most appropriate option.

Options	Response	Answer
3346		
646		
106	✓	✓
16		

Question 15:

Time: 1 Min 28 Sec

Marks: 1/ 1

Which of the following are the CSS selectors?

- a) Element Selector
- b) Form Selector
- c) Class Selector

Choose most appropriate option.

Options	Response	Answer
a and b		
a and c	✓	✓
b and c		
a, b and c		

Question 16:

Time: 1 Min 3 Sec

Marks: 0/1

What would be the Output of the below java script Code?

```

1 <html>
2   <body>
3     <script>
4       var x = 5;
5       var d = (x != "5");
6       document.write(d + "--");
7       d = (x === "5");
8       document.write(d);
9     </script>
10    </body>
11  </html>
12

```

Choose most appropriate option.

Options	Response	Answer
false--false		✓
false--true		
true--false	✓	
true--true		

Question 17:

Time: 37 Sec

Marks: 1 / 1

Which is the correct CSS code to display the text "Accenture" in light grey back ground? Choose most appropriate option.

Options	Response	Answer
<h2 style = "background-color : lightgrey">Accenture</h2>	✓	✓
<h2 background-color : lightgrey>Accenture</h2>		
<h2 style = "background-color(lightgrey)">Accenture</h2>		
<h2 style = "background-color = lightgrey">Accenture</h2>		

Question 18:

Time: 50 Sec

Marks: 1 / 1

What would be the output of the java script code given below?

```
1 <html>
2   <head>
3     <script>
4       function print()
5       {
6         var value1=1;
7         var value2="2";
8         var value3=2;
9         if(value2==value3)
10        {
11          alert(value1+value3);
12        }
13        else
14        {
15          alert(value1+value2);
16        }
17      }
18      print();
19    </script>
20  </head>
21</html>
22
```

Choose most appropriate option.

Options	Response	Answer
3		
12	✓	✓
122		
32		

Question 19:

Time: 2 Min 42 Sec

Marks: 1/ 1

Consider the javascript code given below. What would be the print values from line 1 and line 2 on execution?

```
1 <html>
2   <body>
3     <p id="id1"></p><!-- line 1-->
4     <p id="id2"></p><!-- line 2-->
5     <script>
6       var y=10;
7       myFunction();
8       document.getElementById("id1").innerHTML = y;
9       document.getElementById("id2").innerHTML = window.y;
10      function myFunction()
11      {
12        y=20;
13        y=y+window.y
14      }
15    </script>
16  </body>
17 </html>
18
```

Choose most appropriate option.

Options	Response	Answer
10 30		
10 40		
10 10		
40 40	✓	✓

Question 20:

Time: 25 Sec

Marks: 1/ 1

Refer the HTML code given below.

```
1 <html>
2   <body>
3     <table border="1">
4       <tr>
5         <th>A</th>
6         <th colspan="2">B</th>
7       </tr>
8       <tr>
9         <th rowspan="3">C</th>
10        <th>D</th>
11        <th>E</th>
12      </tr>
13      <tr>
14        <th>A</th>
15        <th>B</th>
16      </tr>
17      <tr>
18        <th>D</th>
19        <th>E</th>
20      </tr>
21    </table>
22  </body>
23</html>
```

How many cells will be displayed when the page is displayed on the browser? Choose most appropriate option.

Options	Response	Answer
8		
11		
10		
9	✓	✓

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Test Taken on: February 27, 2019 01:39:42 AM PST

Finish State: Normal

Registration Details

Email swetha.yamani@accenture.com**First Name:** Swetha**Address:**

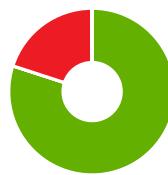
Overall Summary

MARKS SCORED

	Score	Percentile	Percentage
Section #1	16 / 20	71	80
Total	16 / 20	71	80

Percentile is among 6543 candidate(s) who've taken this test.

SUMMARY OF ATTEMPTS

**4 Incorrect
(Scored 0/4)****16 Correct
(Scored 16/16)**

TIME TAKEN

0	15
hr	min

Available time: 0 hr 30 min

TOTAL QUESTIONS

20

Question-wise Details

Section #1

Question 1:

Time: 1 Min 5 Sec

Marks: 0 / 1

Consider table Product(productId, price). Identify the appropriate SQL statement to display all products whose price range is 2500 and 5000(exclusive 2500 and 5000). Choose two most appropriate options.

Options	Response	Answer
SELECT * FROM Product WHERE price BETWEEN 2500 AND 5000;	✓	
SELECT * FROM Product WHERE price>2500 AND price<5000;		✓
SELECT * FROM Product WHERE price>=2500 AND price<=5000;	✓	
SELECT * FROM Product WHERE price BETWEEN 2501 AND 4999;		✓

Candidate responses were captured before updation of the question with restrictions on maximum responses.

Question 2:

Time: 9 Sec

Marks: 1 / 1

Consider the table Employee(empid,jobBand).

Which is the CORRECT DML statement to update the job band of all employees to NULL? Choose most appropriate option.

Options	Response	Answer
UPDATE TABLE employee SET jobBand is NULL;		
UPDATE employee SET jobBand = NULL;	✓	✓
UPDATE TABLE employee SET jobBand = NULL;		
UPDATE employee SET jobBand is NULL;		

Question 3:
Time: 7 Sec
Marks: 0/ 1

Consider the table Employee(empld,empName,jobBand). Which is the CORRECT SQL statement to retrieve all UNIQUE jobBand from Employee table ? Choose most appropriate option.

Options	Response	Answer
SELECT jobBand DISTINCT from Employee;	✓	
SELECT DISTINCT jobBand,empld from Employee;		
SELECT DISTINCT(jobBand) from Employee;		
SELECT DISTINCT jobBand from Employee;		✓

Question 4:
Time: 55 Sec
Marks: 1/ 1

Consider table Account(accountId, balance). Identify the SQL queries which gives the same result. Choose two most appropriate options.

Options	Response	Answer
SELECT * FROM Account WHERE balance>1000 AND balance<5000;		
SELECT * FROM Account WHERE balance>=1000 OR balance<=5000;		
SELECT * FROM Account WHERE balance between 1000 AND 5000;	✓	✓
SELECT * FROM Account WHERE balance>=1000 AND balance<=5000;	✓	✓

Candidate responses were captured before updation of the question with restrictions on maximum responses.

Question 5:

Time: 56 Sec

Marks: 1/ 1

Consider table Product(pid, ptype). Identify the appropriate SQL statement to display the product type and count of products in each product type only if there are more than two products. Choose most appropriate option.

Options	Response	Answer
SELECT ptype, COUNT(pid) FROM Product GROUP BY ptype HAVING COUNT(pid)>2;	✓	✓
SELECT ptype, COUNT(pid) FROM Product WHERE COUNT(pid)>2 GROUP BY ptype;		
SELECT ptype, COUNT(pid) FROM Product GROUP BY ptype WHERE COUNT(pid)>2;		
SELECT ptype, COUNT(pid) FROM Product HAVING COUNT(pid)>2 GROUP BY ptype;		

Question 6:

Time: 38 Sec

Marks: 0/ 1

Identify the CORRECT statement(s)

- (a) A column with UNIQUE constraint can have NULL values
- (b) FOREIGN KEY column can have NULL values
- (c) A TABLE can have more than one PRIMARY KEY column
- (d) FOREIGN KEY column can refer to PRIMARY KEY column of same table only

Choose most appropriate option.

Options	Response	Answer
a and b		✓
a and d		
b and c		
a, b and d	✓	

Question 7:

Time: 1 Min 11 Sec

Marks: 1 / 1

Consider the table Item(ItemCode, ItemName, Price, Category). Which is the CORRECT SQL query to display minimum price for categories 'A' , 'C'? Choose most appropriate option.

Options	Response	Answer
SELECT Category,MIN(Price) FROM Item WHERE Category IN ('A','C');		
SELECT Category, MIN(Price) FROM Item GROUP BY Category WHERE Category IN ('A','C');		
SELECT MIN(Price) FROM Item GROUP BY Price HAVING Category IN('A','C');		
SELECT Category,MIN(Price) FROM Item WHERE Category IN ('A','C') GROUP BY Category;	✓	✓

Question 8:

Time: 1 Min 1 Sec

Marks: 1/ 1

Consider table Register(registerId VARCHAR2(10), dateOfRegistration DATE).

Note: There are no constraints added to any columns and table has no records. Which of the following SQL statements executes successfully on Register table.

- a) ALTER TABLE Register MODIFY registerId NUMBER(10);
- b) ALTER TABLE Register ADD CONSTRAINT date_nn NOT NULL(DATE);

choose most appropriate option.

Options	Response	Answer
only a	✓	✓
only b		
both a and b		
neither a nor b		

Question 9:
Time: 1 Min 40 Sec
Marks: 0/1

Consider the Tables given below:

Product(productId,productName)

ProductOrder(orderId,productId,quantity)

productId column of ProductOrder is a Foreign key reffering to Product Table. Identify the appropriate SQL statement which will fetch the ProductId,ProductName,OrderId for all the Product ordered and display 'Yet to be Ordered' if a product has not been ordered till now.

Choose most appropriate option.

Options	Response	Answer
<pre>SELECT p1.productId,p1.productName,NVL(p2. orderId,'Yet to be Ordered') FROM Product p1 INNER JOIN ProductOrder p2 ON p1.productId=p2.productId;</pre>		
<pre>SELECT p1.productId,p1.productName,NVL(p2. orderId,'Yet to be Ordered') FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;</pre>		✓
<pre>SELECT p1.productId,p1.productName,NVL(p2. orderId,'Yet to be Ordered') FROM Product p1 RIGHT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;</pre>	✓	
<pre>SELECT p1.productId,p1.productName,NVL('Yet to be Ordered',p2.orderId) FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;</pre>		

Question 10:

Time: 59 Sec

Marks: 1/ 1

Consider table Employee(EmpId, EmpName,salary,deptNo). Which is the CORRECT SQL statement to list employees whose salary is more than their department's average salary? The result should be in ascending order of department number. Choose most appropriate option.

Options	Response	Answer
SELECT e1.empId, e1.empName, e1.salary, e1.deptNo FROM employee e1 WHERE e1.salary > (SELECT avg(e2.salary) FROM employee e2) ORDER BY e1.deptNo;		
SELECT e1.empId, e1.empName, e1.salary, e1.deptNo FROM employee e1 ORDER BY e1.deptNo WHERE e1.salary > (SELECT avg(e2.salary) FROM employee e2 WHERE e2.deptNo = e1.deptNo);		
SELECT e1.empId, e1.empName, e1.salary, e1.deptNo FROM employee e1 WHERE avg(e1.salary) > (SELECT e2.salary FROM employee e2 WHERE e2.deptNo = e1.deptNo) ORDER BY e1.deptNo;		
SELECT e1.empId, e1.empName, e1.salary, e1.deptNo FROM employee e1 WHERE e1.salary > (SELECT avg(e2.salary) FROM employee e2 WHERE e2.deptNo = e1.deptNo) ORDER BY e1.deptNo;	✓	✓

Question 11:

Time: 59 Sec

Marks: 1/ 1

Consider table player(playerid, playername, runs_scored, playergroup). Identify the CORRECT SQL statement to retrieve the details of players who have scored runs which is greater than the average of runs scored by all players in his player group. Choose most appropriate option.

Options	Response	Answer
<pre>SELECT p1.playerid, p1.playername, p1.runs_scored FROM player p1 WHERE AVG(p1.runs_scored)>(SELECT AVG(p2.runs_scored) FROM player p2 WHERE p1.playergroup=p2.playergroup);</pre>		
<pre>SELECT playerid, playername, runs_scored FROM player WHERE runs_scored>(SELECT AVG(runs_scored) FROM player);</pre>		
<pre>SELECT p1.playerid, p1.playername, p1.runs_scored FROM player p1 WHERE p1.runs_scored>(SELECT p2.runs_scored FROM player p2 GROUP BY p2.playergroup HAVING p2.runs_scored>AVG(p2.runs_scored)) ;</pre>		
<pre>SELECT p1.playerid, p1.playername, p1.runs_scored FROM player p1 WHERE p1.runs_scored>(SELECT AVG(p2.runs_scored) FROM player p2 WHERE p1.playergroup=p2.playergroup);</pre>	✓	✓

Question 12:

Time: 3 Min 21 Sec

Marks: 1/ 1

Consider the tables given below.

Customer(customerId,(customerName)

Book(bookId, bookName)

Purchase(purchaseId, bookId, customerId)

bookId and customerId in purchase table are foreign keys referring to Book and Customer tables respectively. Which is the CORRECT SQL statement to retrieve customer name and book name for all books purchased by customers?

Choose most appropriate option.

Options	Response	Answer
SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p ON c.customerId=p.customerId SELF JOIN book b ON b.bookid=p.bookid;		
SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p INNER JOIN book b ON b.bookid=p.bookid AND c.customerId=p.customerId;		
SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p ON c.customerId=p.customerId INNER JOIN book b ON b.bookid=p.bookid;	✓	✓
SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p ON c.customerId=p.customerId;		

Question 13:

Time: 5 Sec

Marks: 1/ 1

Which of the following is/are the inline html elements?

(i) <i>

(ii) <h6>

(iii) <a>

Choose most appropriate option.

Options	Response	Answer
(i) and (iii)	✓	✓
(ii) and (iii)		
only (i)		
(i), (ii) and (iii)		

Question 14:

Time: 36 Sec

Marks: 1/ 1

```

1 <!DOCTYPE html>
2 <html>
3   <body>
4     <script>
5       var x = (3 + 3) + 4 + "6";
6       alert(x); //line 1
7     </script>
8   </body>
9 </html>
10

```

What will be printed in alert box in line 1? Choose most appropriate option.

Options	Response	Answer
3346		
646		
106	✓	✓
16		

Question 15:

Time: 8 Sec

Marks: 1/ 1

Which of the following are the CSS selectors?

- a) Element Selector
- b) Form Selector
- c) Class Selector

Choose most appropriate option.

Options	Response	Answer
a and b		
a and c	✓	✓
b and c		
a, b and c		

Question 16:
Time: 4 Sec
Marks: 1 / 1

Which is the correct CSS code to display the text "Accenture" in light grey back ground? Choose most appropriate option.

Options	Response	Answer
<h2 style = "background-color : lightgrey">Accenture</h2>	✓	✓
<h2 background-color : lightgrey>Accenture</h2>		
<h2 style = "background-color(lightgrey)">Accenture</h2>		
<h2 style = "background-color = lightgrey">Accenture</h2>		

Question 17:
Time: 22 Sec
Marks: 1 / 1

Refer the incomplete HTML Code given below

```
1 <html>
2   <body>
3     <form action="abc.html" _____> <!--Line1-->
4       First Name: <input type="text" name="f1"/>
5       <br/>
6       Last Name: <input type="text" name="l1"/>
7       <br/>
8       Password: <input type="password" name="p1"/>
9       <br/>
10      <input type="submit" value="Submit"/> </form>
11    </body>
12  </html>
13
```

Assume abc.html is existing and a valid HTML page. Identify the appropriate option to be placed at Line1 so that values entered in the text boxes are not appended to URL while submitting to abc.html . Choose most appropriate option.

Options	Response	Answer
method="GET"		
method="POST"	✓	✓
submit="GET"		
submit="POST"		

Question 18:

Time: 17 Sec

Marks: 1/ 1

What would be the color of the text "Bengaluru" and "India" while executing the below html and css code? Assume that "Black" is the default color if there is no style applied.

```
<html>

<head>

<style> p{ color:red; } .c1{ color:green; } </style>

</head>

<body>

<p> Bengaluru </p>

<p class="c1"> India </p>

</body>

</html>
```

Choose most appropriate option.

Options	Response	Answer
Bengaluru - Red,India - Green	✓	✓
Bengaluru - Red,India - Red		
Bengaluru - Red,India - Black		
Bengaluru - Black,India - Black		

Question 19:

Time: 3 Sec

Marks: 1 / 1

Refer the HTML code given below.

```

1 <html>
2   <body>
3     <table border="1">
4       <tr>
5         <th>A</th>
6         <th colspan="2">B</th>
7       </tr>
8       <tr>
9         <th rowspan="3">C</th>
10        <th>D</th>
11        <th>E</th>
12      </tr>
13      <tr>
14        <th>A</th>
15        <th>B</th>
16      </tr>
17      <tr>
18        <th>D</th>
19        <th>E</th>
20      </tr>
21    </table>
22  </body>
23</html>
24

```

How many cells will be displayed when the page is displayed on the browser? Choose most appropriate option.

Options	Response	Answer
8		
11		
10		
9	✓	✓

Question 20:
Time: 24 Sec
Marks: 1 / 1

Refer the HTML code given below.

```

1 <html> <body>
2   <table border="1">
3     <tr><th>A</th>
4       <th colspan="2">B</th>
5     </tr>
6     <tr> <th rowspan="3">C</th>
7       <th>D</th>
8       <th>E</th>
9     </tr>
10    <tr>
11      <th>A</th>
12      <th rowspan="2">B</th>
13    </tr>
14    <tr>
15      <th>D</th>
16    </tr>
17  </table>
18 </body>
19 </html>
20

```

How many cells will be displayed when the page is displayed on the browser? Choose most appropriate option.

Options	Response	Answer
7		
10		
9		
8	✓	✓



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Test Taken on: February 27, 2019 12:57:10 PM IST

Finish State: Normal

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Overall Summary

MARKS SCORED

	Score	Percentile	Percentage
Section #1	18 / 20	90	90
Total	18 / 20	90	90

Percentile is among 6543 candidate(s) who've taken this test.

SUMMARY OF ATTEMPTS

2 Incorrect
(Scored 0/2)



18 Correct
(Scored 18/18)

TIME TAKEN

0	12
hr	min

Available time: 0 hr 30 min

TOTAL QUESTIONS

20

Question-wise Details

Section #1

Question 1:

Time: 25 Sec

Marks: 1/ 1

Consider table Book(bookId, bookName,copies) has following records.

bookId bookName copies

----- ----- -----

B1 JAVA 0

B2 4

B3 ORACLE 2

Identify the output of the SQL statement given below.

SELECT COUNT(bookName) FROM Book WHERE copies>0;

Choose the most appropriate option.

Options	Response	Answer
1	✓	✓
2		
3		
0		

Question 2:

Time: 8 Sec

Marks: 1 / 1

Consider table Event(EventId, dateOfEvent) has following records.

EventId DateOfEvent

----- -----

E1 12-JAN-2018

E2

E3 13-JUN-2018

Identify the appropriate SQL statement to retrieve the eventid for which there is no date available.

Choose the most appropriate option.

Options	Response	Answer
SELECT eventId FROM Event WHERE dateOfEvent IS NULL;	✓	✓
SELECT eventId FROM Event WHERE dateOfEvent = NULL;		
SELECT eventId FROM Event WHERE dateOfEvent LIKE "NULL";		
SELECT eventId FROM Event WHERE dateOfEvent IS "NULL";		

Question 3:
Time: 36 Sec
Marks: 1/ 1

Consider table Department(deptId,deptName). Which of the following query is used to display the department details whose deptname has second letter as 'a' and second last letter as 'e'? Choose most appropriate option.

Options	Response	Answer
SELECT * FROM department WHERE deptname LIKE '_a%e_';	✓	✓
SELECT * FROM department WHERE deptname LIKE 'a%e_';		
SELECT * FROM department WHERE deptname LIKE '%a%e_';		
SELECT * FROM department WHERE deptname LIKE 'a%e%';		

Question 4:
Time: 9 Sec
Marks: 1/ 1

Consider the table Products(pid,pname,pcost). Identify the appropriate SQL statement to rename the table to ProductsInfo . Choose most appropriate option.

Options	Response	Answer
ALTER TABLE Products RENAME ProductsInfo;		
ALTER TABLE Products UPDATE TO ProductsInfo;		
ALTER TABLE RENAME Products TO ProductsInfo;		
ALTER TABLE Products RENAME TO ProductsInfo;	✓	✓

Question 5:
Time: 11 Sec
Marks: 1/ 1

Consider table Account(acctid, acctype, balance). Identify the appropriate SQL statement to display account details in the ascending order of balance and in the descending order of acctid if the balance is same. choose most appropriate option.

Options	Response	Answer
SELECT * FROM Account ORDER BY balance, acctid DESC;	✓	✓
SELECT * FROM Account ORDER BY balance ASC, acctid;		
SELECT * FROM Account ORDER BY acctid DESC, balance ASC;		
SELECT * FROM Account ORDER BY acctid DESC, balance;		

Question 6:
Time: 22 Sec
Marks: 1/ 1

Consider table Item(itemId, category, unitprice). Identify the appropriate SQL statement to display item id and discount in the ascending order of discount.

[Note: Discount should be 10% of unitprice]

Choose most appropriate option.

Options	Response	Answer
select itemId, discount=unitprice*0.1 from Item order by discount;		
select itemId, unitprice*0.1 as discount from Item order by discount;	✓	✓
select itemId, unitprice*0.1 as discount from Item order by itemId;		
select itemId, discount from Item order by discount;		

Question 7:

Time: 29 Sec

Marks: 1/ 1

Consider table Item(itemId, category, unitprice). Identify the appropriate SQL statement to display the category and count of items in each category in the ascending order of item count. It should display the item details only if the count of item is greater than 1.

Choose most appropriate option.

Options	Response	Answer
SELECT category,count(itemId) FROM item WHERE Count(itemId)>1 GROUP BY category ORDER BY COUNT(itemId);		
SELECT category,count(itemId) FROM item HAVING Count(itemId)>1 ORDER BY COUNT(itemId);		
SELECT category,count(itemId) FROM item GROUP BY category HAVING Count(itemId)>1 ORDER BY COUNT(itemId);	✓	✓
SELECT category,count(itemId) FROM item GROUP BY category HAVING Count(itemId)>1 ORDER BY itemId;		

Question 8:

Time: 58 Sec

Marks: 0/ 1

Identify the CORRECT statement(s)

- (a) A column with UNIQUE constraint can have NULL values
- (b) FOREIGN KEY column can have NULL values
- (c) A TABLE can have more than one PRIMARY KEY column
- (d) FOREIGN KEY column can refer to PRIMARY KEY column of same table only

Choose most appropriate option.

Options	Response	Answer
a and b		✓
a and d		
b and c		
a, b and d	✓	

Question 9:

Time: 1 Min 52 Sec

Marks: 1/ 1

Consider the Tables given below:

Product(productId,productName)

ProductOrder(orderId,productId,quantity)

productId column of ProductOrder is a Foreign key referring to Product Table. Identify the appropriate SQL statement which will fetch the ProductId,ProductName,OrderId for all the Product ordered and display 'Yet to be Ordered' if a product has not been ordered till now.

Choose most appropriate option.

Options	Response	Answer
<pre>SELECT p1.productId,p1.productName,NVL(p2. orderId,'Yet to be Ordered') FROM Product p1 INNER JOIN ProductOrder p2 ON p1.productId=p2.productId;</pre>		
<pre>SELECT p1.productId,p1.productName,NVL(p2. orderId,'Yet to be Ordered') FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;</pre>	✓	✓
<pre>SELECT p1.productId,p1.productName,NVL(p2. orderId,'Yet to be Ordered') FROM Product p1 RIGHT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;</pre>		
<pre>SELECT p1.productId,p1.productName,NVL('Yet to be Ordered',p2.orderId) FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;</pre>		

Consider the table Account (accid, balance, accountType). The following constraints to be enforced.

1. Accid should be unique and Not Null

2. Account type should be 'C' or 'S'. Balance should be greater than 1000 and 3000 for account type 'C' and 'S' respectively

Identify the CORRECT SQL statement to create the Account table with the above mentioned constraints. Choose most appropriate option.

Options	Response	Answer
CREATE TABLE account(accid NUMBER(2) CONSTRAINT acc_pk PRIMARY KEY, balance NUMBER(4), accountType CHAR, CONSTRAINT acc_chk CHECK (accountType='S' AND balance>3000) AND (accountType='C' AND balance >1000));		
CREATE TABLE account(accid NUMBER(2) CONSTRAINT acc_pk1 PRIMARY KEY, balance NUMBER(4) CONSTRAINT acc_chk CHECK(balance>1000 OR balance >3000), accountType CHAR CONSTRAINT acc_chk CHECK (accountType='S' OR accountType='C'));		
CREATE TABLE account(accid NUMBER(2) CONSTRAINT acc_pk PRIMARY KEY, balance NUMBER(4), accountType CHAR, CONSTRAINT acc_chk1 CHECK (accountType='S' AND balance>3000), CONSTRAINT acc_chk2 CHECK (accountType='C' AND balance >1000));		
CREATE TABLE account(accid NUMBER(2) CONSTRAINT acc_pk PRIMARY KEY, balance NUMBER(4), accountType CHAR, CONSTRAINT acc_chk CHECK ((accountType='S' AND balance>3000) OR (accountType='C' AND balance >1000));	✓	✓

Question 11:

Time: 55 Sec

Marks: 1/ 1

You are suppose to create a table "ExamResult" with the following description. studentId NUMBER(4), courseld VARCHAR2(10), mark NUMBER(3). There should not be duplicate combination of studentId and courseld in any record. Identify the correct DDL statement to create ExamResult table. Choose the most appropriate option.

Options	Response	Answer
CREATE TABLE ExamResult(studentId NUMBER(4), courseld VARCHAR2(10), mark NUMBER(3), CONSTRAINT er_pk PRIMARY KEY(studentId, courseld));	✓	✓
CREATE TABLE ExamResult(studentId NUMBER(4) CONSTRAINT stud_pk PRIMARY KEY, courseld VARCHAR2(10) CONSTRAINT cid_pk PRIMARY KEY, mark NUMBER(3));		
CREATE TABLE ExamResult((studentId NUMBER(4), courseld VARCHAR2(10)) CONSTRAINT er_pk PRIMARY KEY), mark NUMBER(3));		
CREATE TABLE ExamResult(studentId NUMBER(4), courseld VARCHAR2(10), mark NUMBER(3), CONSTRAINT er_pk COMPOSITE PRIMARY KEY(studentId, courseld));		

Question 12:

Time: 46 Sec

Marks: 1 / 1

Consider table Employee(EmpId, EmpName,salary,deptNo). Which is the CORRECT SQL statement to list employees whose salary is more than their department's average salary? The result should be in ascending order of department number. Choose most appropriate option.

Options	Response	Answer
SELECT e1.empId, e1.empName, e1.salary, e1.deptNo FROM employee e1 WHERE e1.salary > (SELECT avg(e2.salary) FROM employee e2) ORDER BY e1.deptNo;		
SELECT e1.empId, e1.empName, e1.salary, e1.deptNo FROM employee e1 ORDER BY e1.deptNo WHERE e1.salary > (SELECT avg(e2.salary) FROM employee e2 WHERE e2.deptNo = e1.deptNo);		
SELECT e1.empId, e1.empName, e1.salary, e1.deptNo FROM employee e1 WHERE avg(e1.salary) > (SELECT e2.salary FROM employee e2 WHERE e2.deptNo = e1.deptNo) ORDER BY e1.deptNo;		
SELECT e1.empId, e1.empName, e1.salary, e1.deptNo FROM employee e1 WHERE e1.salary > (SELECT avg(e2.salary) FROM employee e2 WHERE e2.deptNo = e1.deptNo) ORDER BY e1.deptNo;	✓	✓

Question 13:

Time: 6 Sec

Marks: 1/ 1

Which of the following is the correct html form element to create the checkbox in a web page? Choose most appropriate option.

Options	Response	Answer
<checkbox>		
<input=checkbox>		
<input type="checkbox">	✓	✓
<input checkbox>		

Assume below code present in the HEAD tag of a HTML page.

```
<style> #myclass{ background-color: lightgrey; color:blue; } </style>
```

Identify the appropriate HTML code to Use the Style given Above. Choose most appropriate option.

Options	Response	Answer
<pre><h1 id="myclass">Welcome to My Homepage</h1></pre>	✓	✓
<pre><h1 style="myclass">Welcome to My Homepage</h1></pre>		
<pre><h1 class="myclass">Welcome to My Homepage</h1></pre>		
<pre><h1 class=".myclass">Welcome to My Homepage</h1></pre>		

Question 15:

Time: 9 Sec

Marks: 1 / 1

```
1 <!DOCTYPE html>
2 <html>
3   <body>
4     <script>
5       var x = (3 + 3) + 4 + "6";
6       alert(x); //line 1
7     </script>
8   </body>
9 </html>
10
```

What will be printed in alert box in line 1? Choose most appropriate option.

Options	Response	Answer
3346		
646		
106	✓	✓
16		

Question 16:

Time: 18 Sec

Marks: 1 / 1

Which is the correct CSS code to display the text "Accenture" in light grey back ground? Choose most appropriate option.

Options	Response	Answer
<h2 style = "background-color : lightgrey">Accenture</h2>	✓	✓
<h2 background-color : lightgrey>Accenture</h2>		
<h2 style = "background-color(lightgrey)">Accenture</h2>		
<h2 style = "background-color = lightgrey">Accenture</h2>		

Question 17:

Time: 1 Min 49 Sec

Marks: 1/ 1

What would be the output of the following Java Script?

```

1 <html>
2   <body>
3     <script>
4       var key1=1;
5       document.write(typeof(key1) + " ");
6       var key2=null;
7       document.write(typeof(key2));
8     </script>
9   </body>
10 </html>
11

```

Choose most appropriate option.

Options	Response	Answer
number object	✓	✓
int object		
number undefined		
int undefined		

Question 18:

Time: 1 Min 15 Sec

Marks: 0/1

What would be displayed in alert box while executing the below code?

```

1 <html>
2   <head>
3     <script>
4       var data1=100;
5       var data2="100";
6       if(data1==data2)
7       { // Line - X
8         alert(data1+data2);
9       }
10      else
11      {
12        alert("not equal");
13      }
14    </script>
15  </head>
16  <body>
17  </body>
18 </html>
19

```

Choose most appropriate option.

Options	Response	Answer
100100		✓
200		
not equal		
Error at Line-X : Cannot compare number and string type	✓	

Question 19:

Time: 8 Sec

Marks: 1/ 1

Refer the HTML code given below.

```

1 <html>
2   <body>
3     <table border="1">
4       <tr>
5         <th>A</th>
6         <th colspan="2">B</th>
7       </tr>
8       <tr>
9         <th rowspan="3">C</th>
10        <th>D</th>
11        <th>E</th>
12      </tr>
13      <tr>
14        <th>A</th>
15        <th>B</th>
16      </tr>
17      <tr>
18        <th>D</th>
19        <th>E</th>
20      </tr>
21    </table>
22  </body>
23</html>
24

```

How many cells will be displayed when the page is displayed on the browser? Choose most appropriate option.

Options	Response	Answer
8		
11		
10		
9	✓	✓

Question 20:
Time: 21 Sec
Marks: 1 / 1

Refer the HTML code given below.

```

1 <html> <body>
2   <table border="1">
3     <tr><th>A</th>
4       <th colspan="2">B</th>
5     </tr>
6     <tr> <th rowspan="3">C</th>
7       <th>D</th>
8       <th>E</th>
9     </tr>
10    <tr>
11      <th>A</th>
12      <th rowspan="2">B</th>
13    </tr>
14    <tr>
15      <th>D</th>
16    </tr>
17  </table>
18 </body>
19 </html>
20

```

How many cells will be displayed when the page is displayed on the browser? Choose most appropriate option.

Options	Response	Answer
7		
10		
9		
8	✓	✓



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Test Taken on: February 28, 2019 03:27:05 PM IST

Finish State: Normal

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Overall Summary

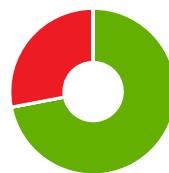
MARKS SCORED

	Score	Percentile	Percentage
Section #1	36 / 50	51	72
Total	36 / 50	51	72

Percentile is among 2256 candidate(s) who've taken this test.

SUMMARY OF ATTEMPTS

14 Incorrect
(Scored 0/14)



36 Correct
(Scored 36/36)

TIME TAKEN

1	18
hr	min

Available time: 1 hr 20 min

TOTAL QUESTIONS

50

Question-wise Details

Section #1

Question 1:

Time: 1 Min 21 Sec

Marks: 0/ 1

Consider table **Account(customerid, accountid, accounttype,balance)** has been created with customerid as primary key.
Identify ALTER statement which executes successfully on account table. [Note: Table has no records]

Options	Response	Answer
ALTER TABLE Account DROP Balance;	✓	
ALTER TABLE Account ADD CONSTRAINT PRIMARY KEY(customerid, accountid);		
ALTER TABLE Account ADD CONSTRAINT acc_null NOT NULL(accounttype);		
ALTER TABLE Account ADD CONSTRAINT acc_chek CHECK(accounttype IN('C','S'));		✓

Question 2:

Time: 30 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class ApplicationTester {  
    public static void main(String[] args){  
        int data1=10, data2=10;  
  
        if (data1 > data2){  
            System.out.println("1");  
        } else {  
            System.out.println("2");  
        }  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
2	✓	✓
Compilation error: Invalid use of 'if'		
1		
The code will display both 1 and 2		

Question 3:

Time: 1 Min 27 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
class Person {  
    public void work() {  
        System.out.println("Person Work's");  
    }  
}  
  
public class Employee extends Person {  
    public void work() {  
        System.out.println("Employee Work's");  
    }  
    public static void main(String[] args) {  
        Employee employee=new Employee();  
        Person p=employee;  
        p.work();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Person Work's Employee Work's		
Employee Work's	✓	✓
Compilation Error : work method in Employee cannot have same signature as that of it's parent Person		
Person Work's		

Question 4:

Time: 1 Min 35 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
1 public interface MyInterface1 {
2     public void method1();
3 }
4
5 public interface MyInterface2 extends MyInterface1{
6     public void method2();
7 }
8
9 public class MyClass implements MyInterface2{
10    public void method1(){
11        System.out.println("method1");
12    }
13    public void method2(){
14        System.out.println("method2");
15    }
16 }
17
18 public class ApplicationTester {
19     public static void main(String[] args){
20         MyInterface1 ref = new MyClass();
21         ref.method2();
22     }
23 }
24 }
```

Options	Response	Answer
method2		
Compilation error at Line 20: Cannot have a reference of 'MyInterface1' type		
Compilation error at Line 5: An interface cannot extend another interface		
Compilation error at Line 21: The method method2() is undefined for the type MyInterface1	✓	✓

Question 5:

Time: 2 Min 8 Sec

Marks: 1/ 1

Consider the following tables:

Account(AccountNumber, AccountOpeningDate, Balance). Here AccountNumber is

the primary key.

Transaction(TransactionId, AccountNumber, DateOfTransaction, Amount, TransactionType);

Here TransactionId is the primary key and AccountNumber is the foreign key

referencing AccountNumber in Account table.

Which is the CORRECT query to display AccountNumber and balance of accounts on which NO transaction was done after '31-Dec-2015':

Options	Response	Answer
SELECT AccountNumber,Balance FROM Account WHERE AccountNumber NOT IN (SELECT AccountNumber FROM Transaction WHERE DateOfTransaction > '31-Dec-2015');	✓	✓

SELECT AccountNumber,Balance FROM Account WHERE AccountNumber NOT IN (SELECT AccountNumber FROM Transaction WHERE DateOfTransaction = '31-Dec- 2015');		
--	--	--

| SELECT AccountNumber,Balance FROM Account WHERE AccountNumber IN (SELECT AccountNumber FROM Transaction WHERE DateOfTransaction > '31-Dec- 2015'); | | |
| SELECT AccountNumber,Balance FROM Account WHERE AccountNumber NOT IN (SELECT AccountNumber FROM Transaction); | | |

Question 6:

Time: 1 Min 0 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
public class StringTester{
    public static void main(String[] args) {
        String s = "Welcome ";
        s.concat("to Accenture");
        System.out.println(s);
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Welcome to Accenture		
to Accenture		
Welcome	✓	✓
null		

Question 7:**Time: 4 Min 10 Sec****Marks: 0/ 1**

Consider the following tables:

Nominee(NomineeId, NomineeName, DateOfBirth, Relationship)

Account(AccountNumber, OpeningDate, Balance, NomineeId)

Which is the CORRECT SQL query to display AccountNumber, OpeningDate, NomineeName, DateOfBirth, Relationship of accounts including the accounts for which there are NO nominees?

Options	Response	Answer
<pre>SELECT Account.AccountNumber,Account.Ope ningDate,Nominee.NomineeName, Nominee.DateOfBirth,Nominee.Relatio nship FROM Account INNER JOIN Nominee ON Account.NomineeId = Nominee.NomineeId;</pre>		
<pre>SELECT Account.AccountNumber,Account.Ope ningDate,Nominee.NomineeName, Nominee.DateOfBirth,Nominee.Relatio nship FROM Nominee LEFT OUTER JOIN Account ON Account.NomineeId = Nominee.NomineeId;</pre>	✓	
<pre>SELECT Account.AccountNumber,Account.Ope ningDate,Nominee.NomineeName, Nominee.DateOfBirth,Nominee.Relatio nship FROM Account CROSS JOIN Nominee;</pre>		
<pre>SELECT Account.AccountNumber,Account.Ope ningDate,Nominee.NomineeName, Nominee.DateOfBirth,Nominee.Relatio nship FROM Account LEFT OUTER JOIN Nominee ON Account.NomineeId = Nominee.NomineeId;</pre>		✓

Question 8:

Time: 3 Min 58 Sec

Marks: 1/ 1

Consider table **Project**(projectId, projectType, budget).

Which is the CORRECT SQL statement to display projectId, projectType and budget of project which is having minimum budget in each project type?

Options	Response	Answer
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1 WHERE MIN(p1.budget)IN(SELECT MIN(p2.budget) FROM project p2 WHERE p1.projectType=p2.projectType);</pre>		
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1 WHERE p1.budget IN(SELECT MIN(p2.budget) FROM project p2 WHERE p1.budget=p2.budget);</pre>		
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1 WHERE p1.budget IN(SELECT MIN(p2.budget) FROM project p2);</pre>	✓	✓

Question 9:

Time: 27 Sec

Marks: 1 / 1

Which of the following options are the characteristics of Agile development?

- (a) It delivers functional bits of the application as soon as they are ready
- (b) It helps teams respond to unpredictability through incremental, iterative work

Choose the most appropriate option.

Options	Response	Answer
Both (a) and (b)	✓	✓
Neither (a) Nor (b)		
Only (a)		
Only (b)		

Question 10:

Time: 1 Min 40 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
public class MyClass {  
  
    public static void main(String[] args) {  
        boolean b1=true;  
        boolean b2=true;  
        boolean b3=false;  
  
        if((b1==b2)|| (b3==true)){  
            System.out.println("inside if");  
            System.out.println(b1+","+b2+","+b3);  
        }  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
inside if true,true,true		
inside if true,true,false		
inside if true,true,false	✓	✓

Question 11:

Time: 1 Min 9 Sec

Marks: 1/ 1

Consider the HTML code given below.

```
<html>

<head>

<style>

h2{

color:green;

}

span{

color:blue;

}

</style>

</head>

<body>

<h2>Accenture <span> Bangalore</span> India</h2>

</body>

</html>
```

While displaying output on the browser what will be the color of each word of the text "Accenture Bangalore India"?

Options	Response	Answer
Accenture - Green		
Bangalore - Green		
India - Blue		
Accenture - Green	✓	✓
Bangalore - Blue		
India - Green		
Accenture - Green		
Bangalore - Green		
India - Green		
Accenture - Green		
Bangalore - Blue		
India - Blue		

Question 12:

Time: 55 Sec

Marks: 1/ 1

Which of the following is/are TRUE with respect to Grey Box Testing?

- (a) Testing is based on the requirements and specifications of the system internals
- (b) Testing does not check the code or internal structure
- (c) Testing monitors an application to check if its behavior matches with the valid input

Choose the most appropriate option.

Options	Response	Answer
Both (a) and (b) are TRUE		
Both (b) and (c) are TRUE		
All (a), (b) and (c) are TRUE		
Only (a) is TRUE	✓	✓

Question 13:

Time: 2 Min 51 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
class Employee{  
    public void display(){  
        System.out.print(" Employee ");  
    }  
}  
  
class Trainee extends Employee{  
    public void display(){  
        System.out.print(" Trainee ");  
        super.display(); // Line X  
    }  
}  
  
public class DynamicBindingTester{  
    public static void main(String[] args) {  
        Employee e=new Trainee(); // Line Y  
        e.display();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation Error at Line X: Parent class method invocation should be the first statement inside the method		
Compilation Error at Line Y: Invalid reference type		
Employee Trainee		
Trainee Employee	✓	✓

Question 14:

Time: 2 Min 23 Sec

Marks: 0/ 1

Consider the Java code given below:

```
public class MemoryTester{  
    public static void main(String[] args){  
        String company=new String("Accenture");  
        int employeeCount = 350000;  
    }  
}
```

Which of the following statement is TRUE with respect to the above code?

Choose the most appropriate option.

Options	Response	Answer
'company' reference variable, 'employeeCount' and String object all are created in Stack		
company' reference variable and 'employeeCount' will be created in Stack where as String object will be created in Heap		✓
company' reference variable, 'employeeCount' and String object all are created in Heap		
company' reference variable and String object will be created in heap, but employeeCount will be created in Stack	✓	

Question 15:**Time: 35 Sec****Marks: 0/ 1**

Performance feedback allows which of the following actions?

- (1) To take action to improve your skills and performance so you are effective in your current and future roles
- (2) To have your say about how you think your colleagues are performing

Choose the most appropriate option.

Options	Response	Answer
Only (1)		✓
Only (2)		
Both (1) and (2)	✓	
Neither (1) Nor (2)		

Question 16:

Time: 2 Min 24 Sec

Marks: 0/ 1

Refer the code given below:

```
Employee emp = new Employee();
Employee emp1 = new Employee();
emp = new Employee();
Employee emp2=new Employee();
emp=null;
emp2=emp;
//Line1
```

Assume class Employee is a valid Java class.

How many objects are eligible for garbage collection at Line1.

Choose the most appropriate option.

Options	Response	Answer
3		✓
1		
4		
2	✓	

Question 17:

Time: 45 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
public class IfTester{  
    public static void main(String[] args) {  
        int number1 = 10;  
        if(number1 == 10) {  
            int number2 = 20;  
        } else {  
            int number2 = 30;  
        }  
        System.out.println("Number2 :" +number2);  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Number2 :30		
Compilation Error: number2 cannot be resolved to a variable		✓
Number2 :20	✓	
Number2 :0		

Question 18:

Time: 2 Min 27 Sec

Marks: 0 / 1

What will be the output of the following Java code?

```
1 public abstract class Bank {  
2     protected double amount;  
3  
4     public Bank(){  
5         this.amount = 1000.0;  
6     }  
7     public abstract void createAccount();  
8     public double getAmount(){  
9         return this.amount;  
10    }  
11 }  
12  
13 public class MyBank extends Bank{  
14     public MyBank(){  
15         this.amount = 2000.0;  
16     }  
17     public void createAccount(){  
18         System.out.println("Account created");  
19     }  
20 }  
21  
22 public class ApplicationTester {  
23     public static void main(String[] args){  
24         Bank b = new MyBank();  
25         b.createAccount();  
26         System.out.println(b.getAmount());  
27     }  
28 }  
29 }
```

Options	Response	Answer
Compilation error at Line 4: Cannot have constructor in abstract class 'Bank'	✓	
Account created 2000.0		✓
Compilation error at Line 24: Cannot have a reference of type 'Bank'		
Account created 1000.0		

Question 19:

Time: 1 Min 27 Sec

Marks: 0/ 1

Consider the table Item(ItemCode, ItemName, Price, Category).

Which is the CORRECT SQL query to display minimum price for categories 'A' , 'C'?

Options	Response	Answer
SELECT Category, MIN(Price) FROM Item GROUP BY Category WHERE Category IN ('A','C');		
SELECT Category,MIN(Price) FROM Item GROUP BY Price WHERE Category IN ('A','C');	✓	
SELECT Category,MIN(Price) FROM Item WHERE Category IN ('A','C') GROUP BY Category;		✓
SELECT Category,MIN(Price) FROM Item WHERE Category IN ('A','C');		

Question 20:

Time: 50 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class MyClass{  
    public MyClass() {  
        System.out.println("Inside constructor");  
    }  
    static {  
        System.out.println("Inside static block 1");  
    }  
    static {  
        System.out.println("Inside static block 2");  
    }  
    public static void main(String[] args) {  
        System.out.println("Inside main method");  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Inside static block 1 Inside static block 2 Inside main method	✓	✓
Inside main method Inside static block 1 Inside static block 2		
Inside main method		
Inside main method Inside constructor Inside static block 1 Inside static block 2		

Question 21:

Time: 1 Min 3 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
public class WhileTester {  
    public static void main(String[] args) {  
        int i = 10;  
        while(i++ < 15) {  
            System.out.print(i + " ");  
        }  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
11 12 13 14		
10 11 12 13 14 15		
11 12 13 14 15	✓	✓
12 13 14 15		

Question 22:

Time: 1 Min 45 Sec

Marks: 0 / 1

Refer the below incomplete HTML code.

 Click

Assume that "abc.lkm@accenture.com" is a valid site. Choose the appropriate value for the target attribute to open the web page in a new window.

Options	Response	Answer
_top		
_self	✓	
_parent		
_blank		✓

Question 23:

Time: 1 Min 44 Sec

Marks: 1 / 1

Refer the code given below:

```
public class Vehicle {  
    private int vehicleId;  
    private String vehicleName;  
    public Vehicle(int vehicleId, String vehicleName) {  
        this.vehicleId = vehicleId;  
        this.vehicleName = vehicleName;  
    }  
    // Assume Getters and Setters are coded  
}  
  
public class Car extends Vehicle {  
    private String carModel;  
    private double average;  
    //Line1  
    // Assume getters and Setters are already coded...  
}
```

Choose a valid Constructor implementation to be inserted at Line1 to make the above code compile successfully

Choose the most appropriate option.

Options	Response	Answer
<pre>public void Car(int vehicleId, String vehicleName, String carModel,double average) { super(vehicleId, vehicleName); //Java code to initialize carModel and average }</pre>		
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { //Java code to initialize carModel and average super(vehicleId, vehicleName); }</pre>		
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { super(vehicleId, vehicleName); //Java code to initialize carModel and average }</pre>	✓	✓
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { this.carModel = carModel; this.average = average; }</pre>		

Question 24:

Time: 45 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
interface I{
    int MIN = 20; // Line 2
    public void display();
}

public class Student{
    public static void main(String[] args) {
        I i = new I(); // Line 8
        i.display();
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error at line 8 : cannot instantiate the type I	✓	✓
Compillation Error at Line 2 : Interface cannot have data member		
Runtime error : Nullpointer exception will be thrown		
Display method will get invoked without any error		

Question 25:**Time: 1 Min 48 Sec****Marks: 0/ 1**

Refer the JavaScript code given below.

```
<html>

<head>

<script>

function aFun(){

var num1=111;

var num2="111";

alert(num1==num2) //Line1

alert(num1===num2) //Line2

}

</script>

</head>

<button onclick='aFun()'>Click</button>

</html>
```

When the above code is executed, what will be the output produced by Line1 and Line2?

Options	Response	Answer
Output from Line1: true, Output from Line2: false		✓
Output from Line1: false, Output from Line2: true	✓	
Output from Line1: true, Output from Line2: true		
JavaScript will show a compilation error as "===" is not defined		

Question 26:

Time: 2 Min 0 Sec

Marks: 1/ 1

Refer the HTML code given below.

```
<html>

<body>

<table border="1">

<tr> <th colspan="2"> Customer Details </th><th>Regular</th>

<tr> <th>cid</th> <th>cname</th> <th>phone</th> </tr>

<tr> <td>100</td> <td>Jack</td> <td>5655765</td> </tr>

<tr> <td>101</td> <td>John</td> <td rowspan="2">8989092</td> </tr>

<tr> <td>102</td> <td>James</td> </tr>

</table>

</body>

</html>
```

How many cells will be displayed when the page is displayed on the browser?

Options	Response	Answer
11		
10		
14		
13	✓	✓

Question 27:

Time: 20 Sec

Marks: 1/ 1

Which among the following are DevOps Principle?

- (i) Automate Everything
- (ii) Test early and often
- (iii) Strong source control

Choose the most appropriate option.

Options	Response	Answer
Only (ii) and (iii)		
Only (i) and (ii)		
Only (i) and (iii)		
All (i), (ii) and (iii)	✓	✓

Question 28:

Time: 37 Sec

Marks: 1/ 1

Arrange the following stages of Project Lifecycle according to SDLC.

- (1) Planning
- (2) Initiation
- (3) Closing
- (4) Execution

Choose the most appropriate option.

Options	Response	Answer
(2) - (1) - (4) - (3)	✓	✓
(2) - (1) - (3) - (4)		
(1) - (2) - (4) - (3)		
(1) - (2) - (3) - (4)		

Question 29:

Time: 1 Min 36 Sec

Marks: 1/ 1

Refer the class declarations given below:

class A{ }

class B extends A{ }

class C extends B{ }

class D extends C{ }

Identify the INCORRECT statement.

Choose the most appropriate option.

Options	Response	Answer
C c=new C();		
C c=new B();	✓	✓
B b=new D();		
A a = new D();		

Question 30:

Time: 4 Min 46 Sec

Marks: 1 / 1

What will be the output of the following Java code?

Note: Parent class is present in a package called 'packageone'. The Child class and TestPackage class are present in a package called 'packagetwo'

Parent.java

```
package packageone;
public class Parent {
    protected void display(){
        System.out.println("Hello! its from package one");
    }
}
```

Child.java (Assume that necessary packages are imported)

```
package packagetwo;
public class Child extends Parent {
    public void display(){ //Line 1
        System.out.println("Hello! its from package two");
    }
}
```

TestPackage.java (Assume that necessary packages are imported)

```
package packagetwo;
public class TestPackage {
    public static void main(String[] args) {
        Parent p = new Parent();
        Child c = new Child();
        p.display(); // Line 2
        c.display(); // Line 3
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error at Line 2 : The method display() from the type Parent is not visible	✓	✓
It prints only : Hello! its from package two		
Compilation error at Line 1 : Cannot widen the visibility of the inherited method		
It prints both : Hello! its from package one Hello! its from package two		

Question 31:

Time: 1 Min 40 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class ApplicationTester {
    public static void main(String[] args){
        int[] array = {-23,-1,-15,-11,-8};
        int max = 0;
        for(int i=0; i < array.length; i++){
            if( array[i] > max){
                max = array[i];
            }
        }
        System.out.println(max);
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
-1		
0	✓	✓
-23		
-8		

Question 32:

Time: 28 Sec

Marks: 1 / 1

How does ADM ensure smooth transfer of deliverables from one team or one stage to another?

- a. By using ADM Estimators
- b. By using ADM Metrics
- c. By using Transition Points

Choose the most appropriate option.

Options	Response	Answer
Only (b)		
All (a), (b) and (c)		
Only (c)	✓	✓
Only (a)		

Question 33:

Time: 17 Sec

Marks: 1 / 1

Which of the following statement/s is/are TRUE with respect to Community Cloud?

- (1) Exclusively owned and operated by a single organization
- (2) Available for use by a shared community consisting of several organizations

Choose the most appropriate option.

Options	Response	Answer
Both (1) and (2)		
Neither (1) Nor (2)		
Only (2)	✓	✓
Only (1)		

Question 34:

Time: 1 Min 30 Sec

Marks: 0 / 1

Consider the table Student(StudentId, StudentName, Email, PercentageOfMarks).

Which is the CORRECT query to display the details in the decreasing order (highest to lowest) of PercentageOfMarks and in the alphabetical order (A-Z) of StudentName in case PercentageOfMarks is the same.

Options	Response	Answer
SELECT StudentId, StudentName, Email, PercentageOfMarks FROM Student ORDER BY PercentageOfMarks DESC, StudentName DESC;		
SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentName;		✓
SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY StudentName, PercentageOfMarks DESC;	✓	
SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentName;		

Question 35:**Time: 5 Min 1 Sec****Marks: 0/ 1**

Consider the below tables.

Publisher(PublisherCode, PublisherName, Address, Email). Here PublisherCode is the primary key;

Book (ISBN, Title, Author, Price, PublisherCode). Here ISBN is the Primary Key and PublisherCode is the foreign key referencing the PublisherCode in Publisher table.

Which is the CORRECT SQL query to display ISBN, Title, Author, PublisherCode and PublisherName for all the books.

Options	Response	Answer
<pre>SELECT Book.ISBN, Book.Title, Book.Author, Book.PublisherCode, Publisher.PublisherName</pre> <pre>FROM Book INNER JOIN Publisher</pre> <pre>ON Book.PublisherCode = Publisher.PublisherCode;</pre>		✓
<pre>SELECT Book.ISBN, Book.Title, Book.Author, Book.PublisherCode, Publisher.PublisherName</pre> <pre>FROM Book SELF JOIN Publisher</pre> <pre>ON Book.PublisherCode = Publisher.PublisherCode;</pre>	✓	
<pre>SELECT ISBN,Title,Author,PublisherCode,Publis herName</pre> <pre>FROM Book INNER JOIN Publisher</pre> <pre>ON PublisherCode = PublisherCode;</pre>		
<pre>SELECT Book.ISBN, Book.Title, Book.Author, Book.PublisherCode, Publisher.PublisherName</pre> <pre>FROM Book,Publisher;</pre>		

Question 36:

Time: 1 Min 25 Sec

Marks: 1/ 1

Identify the appropriate relationship between the classes House and Room.
Assume that getter and setter methods for all instance variables are implemented.

```
class Room{  
    private int length;  
    private float width;  
}  
  
class House{  
    private float area;  
    private Room room;  
  
    public House(){  
        room=new Room();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Aggregation		
Composition	✓	✓
Specialization		
Association		

Question 37:

Time: 1 Min 59 Sec

Marks: 1 / 1

What will be the output of the following Java code? Assume that all classes are present in the same package.

```
class Account {  
    int balance;  
    public void createAccount() {  
        System.out.println("Account created");  
        balance = 500;  
    }  
}  
  
class SavingsAccount extends Account {  
    public void createAccount() {  
        System.out.println("Savings account created");  
        balance = 1000;  
    }  
}  
  
public class ApplicationTester{  
    public static void main(String[] args) {  
        Account account = new SavingsAccount();  
        account.createAccount();  
        System.out.println("Balance: "+account.balance);  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation Error: The field Account.balance is not visible		
Account created Balance: 500		
Savings account created Balance: 1000	✓	✓
Account created Balance: null		

Question 38:

Time: 2 Min 10 Sec

Marks: 1 / 1

Consider table **Employee(EmployeeId, EmployeeName,DeptCode)** .

Which is the CORRECT SQL query to display the EmployeeId and EmployeeName of employees who are working in DeptCode 10 OR 20?

(i) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode IN (10,20);

(ii) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode = 10 OR DeptCode = 20;

Options	Response	Answer
Only (i)		
Both (i) and (ii)	✓	✓
Only (ii)		
Neither (i) nor (ii)		

Question 39:

Time: 52 Sec

Marks: 1/ 1

Which is the CORRECT syntax for displaying a text area in a web page? while loading the page the default size of the text area should be 4 rows and 50 characters in each row.

Options	Response	Answer
<textarea rowsize="4" columns="50"> </textarea>		
<textarea rows="4" cols="50"> </textarea>	✓	✓
<textarea rowsize="4" columns="50"> </textarea>		
<textarea rowsize="4" chars="50"> </textarea>		

Question 40:

Time: 30 Sec

Marks: 1/ 1

Which of the following statement(s) is/are TRUE?

- 1) JavaScript is case sensitive
- 2) JavaScript can be placed only in head tag
- 3) JavaScript can be placed both in head tag and body tag
- 4) JavaScript is used for client side validations

Options	Response	Answer
2,3 and 4 only		
3 and 4 only		
1,2,3 and 4		
1,3 and 4 only	✓	✓

Question 41:

Time: 50 Sec

Marks: 1 / 1

Refer the Incomplete JavaScript code given below:

```
<script>  
  
var gVar='This is global value';  
  
function aFun(){  
  
    var gVar='Local Data1';  
  
    //Line1  
  
}  
  
</script>  
  
<button onclick='aFun()'>Click</button>
```

Identify the CORRECT option which if placed at Line1 will display the alert message 'This is global value'

Options	Response	Answer
alert(global.gVar)		
alert(window.gVar)	✓	✓
alert(gVar)		
alert(document.gVar)		

Question 42:

Time: 1 Min 52 Sec

Marks: 1/ 1

Consider the Java code given below.

```
public class DemoArray {  
    public static void main(String args[]){  
        int array[]={2,4,6,8};  
        int sum=0;  
        //insert here  
        System.out.println(sum);  
    }  
}
```

Which of the following line inserted independently in the above code will result in sum of array elements?

Choose the most appropriate option.

Options	Response	Answer
for(int i=1;i<array.length;i++){ sum=sum+array[i]; }		
sum=array[0]+array[1]+array[2]+array[3] +array[4];		
for(int i=0;i<array.length;i++){ sum=sum+array[i]; }	✓	✓
sum=array[1]+array[2]+array[3]+array[4]];		

Question 43:**Time: 2 Min 7 Sec****Marks: 0/ 1**

Consider the following CREATE TABLE STATEMENT which successfully creates the table Student. Assume that University table already exists with University Codes 'VTU', 'STU', and 'CMU'.

```
CREATE TABLE Student (StudentId Number(5) CONSTRAINT Student_PKey PRIMARY KEY,  
Name Varchar2(30) CONSTRAINT Student_Null NOT NULL,  
Email Varchar2(30) CONSTRAINT Student_Unique UNIQUE,  
UniversityCode Varchar2(10)  
CONSTRAINT Student_Fkey REFERENCES University(UniversityCode));
```

Currently student table contains only one row as shown below.

```
(1001,'Jack','jack@gmail.com','STU');
```

Which of the following INSERT statement would successfully insert the row into "Student" table?

Options	Response	Answer
INSERT INTO Student VALUES(1003,'Mary','jack@gmail.com' , 'vtu');		
INSERT INTO Student VALUES(1003,'Scott','scott@gmail.co m','VTU');		✓
INSERT INTO Student VALUES(1001,'James','james@gmail.c om','CMU');	✓	
INSERT INTO Student VALUES(1005,'Joe','joe@gmail.com','N IT');		

Question 44:

Time: 19 Sec

Marks: 1/ 1

Which of the following statement(s) are TRUE regarding Java architecture?

- (i) Byte code or .class file is platform independent
- (ii) JVM is platform independent

Choose the most appropriate option.

Options	Response	Answer
Both (i) and (ii) are TRUE		
Neither (i) Nor (ii) are TRUE		
Only (i) is TRUE	✓	✓
Only (ii) is TRUE		

Question 45:

Time: 2 Min 2 Sec

Marks: 1/ 1

Consider the table Customer given below.

CustomerId	CustomerName
101	John
102	Tom
103	twinkle
104	HELEN

What would be the output of the following SQL statement?

```
SELECT CustomerName FROM Customer
```

```
WHERE CustomerName LIKE 'T%' OR CustomerName LIKE '%N';
```

Options	Response	Answer
Tom		
twinkle		
Helen		
John		
Tom		
HELEN		
twinkle		
John		
Tom		
HELEN		
Tom	✓	✓
HELEN		

Question 46:

Time: 3 Min 22 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
package x;
public class Student{
    void display(){ // Line 1
        System.out.println("Hello");
    }
}

package y;
import x.Student; // Line 2

public class TestFinalClass {
    public static void main(String[] args) {
        Student s = new Student();
        s.display(); // Line 3
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
The code will print Hello		
Compilation error at Line 1 : No access specifier defined for method display		
Compilation error at Line 3 : The method display from type Student is not visible	✓	✓
Compilation error at Line 2 : Cannot import class Student from package x		

Question 47:

Time: 53 Sec

Marks: 1/ 1

You are working on a critical project. Due to some project requirement you are asked to share sensitive information with others. Which among the following actions you will perform?

- a. Don't share any sensitive information with anyone
- b. Label the information as "Restricted" so that no one tries to access the information
- c. Use encryption for secure sharing of information

Choose the most appropriate option.

Options	Response	Answer
Only (a)		
Only (c)	✓	✓
Both (a) and (b)		
Only (b)		

Question 48:
Time: 17 Sec
Marks: 0/ 1

Which is the CORRECT statement to remove all records from Account table?

Options	Response	Answer
DELETE * FROM Account;	✓	
DELETE FROM TABLE Account;		
DELETE ALL FROM Account;		
DELETE FROM Account;		✓

Question 49:
Time: 32 Sec
Marks: 1/ 1

Consider the table **Employee(emplId,empName,jobBand)**.

Which is the CORRECT SQL statement to retrieve all unique jobBand from Employee table ?

Options	Response	Answer
SELECT DISTINCT jobBand,empld from Employee;		
SELECT jobBand DISTINCT from Employee;		
SELECT jobBand from Employee DISTINCT;		
SELECT DISTINCT jobBand from Employee;	✓	✓

Question 50:
Time: 27 Sec

Marks: 1 / 1

Which is the correct CSS code to display the text "Accenture" in light grey back ground?

Options	Response	Answer
<h2 background- color:lightgrey>Accenture</h2>		
<h2 style="background- color=lightgrey">Accenture</h2>		
<h2 style="background- color:lightgrey">Accenture</h2>	✓	✓
<h2 style="background- color(lightgrey)">Accenture</h2>		

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Test Taken on: February 28, 2019 03:18:19 PM IST

Finish State: Normal

Registration Details

Email bharat.puranam@accenture.com

First Name: bharat.puranam

Address:

Overall Summary

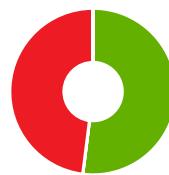
MARKS SCORED

	Score	Percentile	Percentage
Section #1	26 / 50	11	52
Total	26 / 50	11	52

Percentile is among 2429 candidate(s) who've taken this test.

SUMMARY OF ATTEMPTS

24 Incorrect
(Scored 0/24)



26 Correct
(Scored 26/26)

TIME TAKEN

1	14
hr	min

Available time: 1 hr 20 min

TOTAL QUESTIONS

50

Question-wise Details

Section #1

Question 1:

Time: 2 Min 57 Sec

Marks: 1/ 1

Which of the following statement(s) is/are TRUE?

- 1) JavaScript is case sensitive
- 2) JavaScript can be placed only in head tag
- 3) JavaScript can be placed both in head tag and body tag
- 4) JavaScript is used for client side validations

Options	Response	Answer
2,3 and 4 only		
1,3 and 4 only	✓	✓
1,2,3 and 4		
3 and 4 only		

Question 2:

Time: 1 Min 23 Sec

Marks: 1/ 1

Consider the HTML code given below.

```
<html>

<head>

<style>

h2{

color:green;

}

span{

color:blue;

}

</style>

</head>

<body>

<h2>Accenture <span> Bangalore</span> India</h2>

</body>

</html>
```

While displaying output on the browser what will be the color of each word of the text "Accenture Bangalore India"?

Options	Response	Answer
Accenture - Green		
Bangalore - Green		
India - Blue		
Accenture - Green	✓	✓
Bangalore - Blue		
India - Green		
Accenture - Green		
Bangalore - Green		
India - Green		
Accenture - Green		
Bangalore - Blue		
India - Blue		

Question 3:

Time: 3 Min 7 Sec

Marks: 1/ 1

Refer the HTML code given below.

```
<html>

<body>

<table border="1">

<tr> <th colspan="2"> Customer Details </th><th>Regular</th>

<tr> <th>cid</th> <th>cname</th> <th>phone</th> </tr>

<tr> <td>100</td> <td>Jack</td> <td>5655765</td> </tr>

<tr> <td>101</td> <td>John</td> <td rowspan="2">8989092</td> </tr>

<tr> <td>102</td> <td>James</td> </tr>

</table>

</body>

</html>
```

How many cells will be displayed when the page is displayed on the browser?

Options	Response	Answer
11		
10		
14		
13	✓	✓

Question 4:

Time: 2 Min 46 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class StaticTester{  
    private static int count;  
    public static void main(String[] args) {  
        count++;  
        new StaticTester().count++;  
        StaticTester.count--;  
        StaticTester s = new StaticTester();  
        s.count = s.count + 5;  
        StaticTester staticTester = new StaticTester();  
        System.out.println("Count is " +staticTester.count);  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Count is 0		
Count is 6	✓	✓
Count is 5		
Count is 1		

Question 5:**Time: 1 Min 38 Sec****Marks: 0 / 1**

Consider the following Java class.

```
public class MyClass{  
    public int add(int num1, int num2){  
        //valid logic  
    }  
}
```

Consider the following add method implementations.

1)
int add(int a, int b,int c){
 return a+b;
}

2)
double add(double a, double b){
 return a+b;
}

3)
double add(int a, int b){
 return a+b;
}

Identify the CORRECT add method implementation/s which can be placed in MyClass?

Choose the most appropriate option.

Options	Response	Answer
Only 1		
Both 1 and 2		✓
All 1, 2 and 3		
Both 2 and 3	✓	

Question 6:**Time: 3 Min 36 Sec****Marks: 0/1**

Refer the code given below:

```
Employee emp = new Employee();
Employee emp1 = new Employee();
emp = new Employee();
Employee emp2=new Employee();
emp=null;
emp2=emp;
//Line1
```

Assume class Employee is a valid Java class.

How many objects are eligible for garbage collection at Line1.

Choose the most appropriate option.

Options	Response	Answer
2	✓	
3		✓
4		
1		

Question 7:**Time: 1 Min 44 Sec****Marks: 0/ 1**

Assume that table **Customer** has the following records.

CUSTOMERID	CUSTOMERNAME
10	James
11	ami
12	JAMES

What would be the output of the SQL statement given below.

SELECT customername FROM customer WHERE customername LIKE '_am%';

Options	Response	Answer
James		
JAMES		
James		✓
James	✓	
ami		
James		
ami		
JAMES		

Question 8:

Time: 3 Min 17 Sec

Marks: 1/1

Refer the code given below:

```
class Employee{  
  
    public void printDetails(){  
  
        Printer printer = new Printer();  
  
        printer.print("Test Print");  
  
    }  
  
}
```

```
class Printer{  
  
    public void print(String str){  
  
        System.out.println("Priting Details: "+str);  
  
    }  
  
}
```

Choose from below a valid option that represents the relationship in between the classes Employee and Printer

Choose the most appropriate option.

Options	Response	Answer
Generalization		
Composition		
Specialization		
Aggregation	✓	✓

Question 9:

Time: 1 Min 32 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class WhileTester {  
    public static void main(String[] args) {  
        int i = 10;  
        while(i++ < 15) {  
            System.out.print(i + " ");  
        }  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
12 13 14 15		
11 12 13 14 15	✓	✓
10 11 12 13 14 15		
11 12 13 14		

Question 10:

Time: 1 Min 58 Sec

Marks: 0/ 1

Refer the code given below:

```
public class Vehicle {  
    private int vehicleId;  
    private String vehicleName;  
    public Vehicle(int vehicleId, String vehicleName) {  
        this.vehicleId = vehicleId;  
        this.vehicleName = vehicleName;  
    }  
    // Assume Getters and Setters are coded  
}  
  
public class Car extends Vehicle {  
    private String carModel;  
    private double average;  
    //Line1  
    // Assume getters and Setters are already coded...  
}
```

Choose a valid Constructor implementation to be inserted at Line1 to make the above code compile successfully

Choose the most appropriate option.

Options	Response	Answer
<pre>public void Car(int vehicleId, String vehicleName, String carModel,double average) { super(vehicleId, vehicleName); //Java code to initialize carModel and average }</pre>		
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { super(vehicleId, vehicleName); //Java code to initialize carModel and average }</pre>		<input checked="" type="checkbox"/>
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { //Java code to initialize carModel and average super(vehicleId, vehicleName); }</pre>		
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { this.carModel = carModel; this.average = average; }</pre>	<input checked="" type="checkbox"/>	

Question 11:
Time: 59 Sec
Marks: 0/ 1

What will be the output of the following Java code?

```
public class ApplicationTester {  
    public static void main(String[] args){  
        int count = 0;  
        do {  
            count++;  
            if (count == 3){  
                continue;  
            }  
        } while(count < 5);  
        System.out.println(count);  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
4	✓	
3		
5		✓
No output, as the loop will get into to infinite execution		

Question 12:**Time: 2 Min 13 Sec****Marks: 0/ 1**

What will be the output of the following Java code? Assume that all classes are present in the same package.

```
class Account {  
    int balance;  
    public void createAccount() {  
        System.out.println("Account created");  
        balance = 500;  
    }  
}  
  
class SavingsAccount extends Account {  
    public void createAccount() {  
        System.out.println("Savings account created");  
        balance = 1000;  
    }  
}  
  
public class ApplicationTester{  
    public static void main(String[] args) {  
        Account account = new SavingsAccount();  
        account.createAccount();  
        System.out.println("Balance: "+account.balance);  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Account created Balance: 500	✓	
Savings account created Balance: 1000		✓
Compilation Error: The field Account.balance is not visible		
Account created Balance: null		

Question 13:

Time: 1 Min 18 Sec

Marks: 0 / 1

Assume that table **Player** has the following records.

PlayerId	Salary	PlayerAverage
P1	25000	75.5
P2	20000	70
P3	22000	70.5

How many row(s) will be deleted after executing the SQL statement given below?

DELETE FROM Player WHERE Salary>20000 OR PlayerAverage<=70;

Options	Response	Answer
2		
3		✓
0		
1	✓	

Question 14:

Time: 1 Min 19 Sec

Marks: 0/ 1

Identify the CORRECT method which can be added in to class MyClass

```
public class MyClass {  
    public int display(int num1,float num2){  
        return 0;  
    }  
    public double display(String name, int salary) {  
        return 0.0;  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
public void display(int num1, String num2){ }		✓
public double display(String empName, int empId){ return 0.0; }		
public String display(String name, int salary{ return "success"; }		
public float display(int num1, float num2){ return 0.0f; }	✓	

Question 15:

Time: 1 Min 20 Sec

Marks: 1/ 1

Refer the below variable declarations done in JavaScript.

- 1) x=10;
- 2) int x=10;
- 3) var x="10";
- 4) Integer x=10;

Which of the variable declarations are CORRECT?

Options	Response	Answer
1 and 3 only	✓	✓
2 and 4 only		
1 and 2 only		
1,2 and 3 only		

Question 16:

Time: 1 Min 29 Sec

Marks: 0/1

What will be the output of the following Java code?

```

1 public abstract class Bank {
2     protected double amount;
3
4     public Bank(){
5         this.amount = 1000.0;
6     }
7     private abstract void createAccount();
8     public double getAmount(){
9         return this.amount;
10    }
11 }
12
13 public class MyBank extends Bank{
14     public MyBank(){
15         this.amount = 2000.0;
16     }
17     public void createAccount(){
18         System.out.println("Account created");
19     }
20 }
21
22 public class ApplicationTester {
23     public static void main(String[] args){
24         Bank b = new MyBank();
25         b.createAccount();
26         System.out.println(b.getAmount());
27     }
28 }
29

```

Options	Response	Answer
Compilation error at Line 7: cannot have 'private' access specifier for abstract method		✓
Account created		
1000.0		
Compilation error at Line 4: cannot have constructor in abstract class 'Bank'	✓	
Account created		
2000.0		

Question 17:
Time: 42 Sec
Marks: 1/ 1

Which of the following statement/s is/are VALID array declaration in JavaScript?

(1) var mixed=['ABCD',1234,12.3,"Value","1"]

(2) var arrayVar=[1,2,3,4]

(3) var arrayVar={1,2,3,4}

Options	Response	Answer
Only (1)		
All (1), (2) and (3)		
Both (2) and (3)		
Both (1) and (2)	✓	✓

Question 18:
Time: 1 Min 38 Sec
Marks: 1/ 1

An end to end testing of application by client users is known as -----

Choose the most appropriate option.

Options	Response	Answer
Product Testing		
Unit Testing		
Acceptance Testing	✓	✓
Performance Testing		

Question 19:**Time: 1 Min 35 Sec****Marks: 0 / 1**

Consider the tables given below.

Customer(customerId, customerName)

Account(accountId, accountType, customerId)

Transaction(transactionId, accountId, transactionType, amount)

Which is the CORRECT SQL statement to retrieve customer Id and customer name of all customers who has made transaction in their account?

Options	Response	Answer
<pre>SELECT DISTINCT c.customerid, c.customername FROM customer c SELF JOIN account a ON c.customerid=a.customerid SELF JOIN transaction t ON t.accountid=a.accountid;</pre>		
<pre>SELECT DISTINCT c.customerid, c.customername FROM customer c INNER JOIN account a INNER JOIN transaction t ON t.accountid=a.accountid and a.customerid=c.customerid;</pre>	✓	
<pre>SELECT DISTINCT c.customerid, c.customername FROM customer c INNER JOIN account a ON c.customerid=a.customerid INNER JOIN transaction t ON t.accountid=a.accountid;</pre>		✓

Question 20:

Time: 2 Min 29 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
1 public interface Bank{
2     void createAccount();
3     public void applyForLoan();
4 }
5
6 public class MyBank implements Bank{
7     void createAccount(){
8         System.out.println("Account in MyBank");
9     }
10    public void applyForLoan(){
11        System.out.println("Loan in MyBank");
12    }
13 }
14
15 public class BankTester{
16     public static void main(String[] args){
17         Bank b = new MyBank();
18         b.applyForLoan();
19     }
20 }
21
```

Options	Response	Answer
Compilation error at Line 17: cannot have reference of 'Bank' type		
Compilation error at Line 2: 'public' is missing		
Compilation error at Line 7: Cannot reduce the visibility of the inherited method from Bank	✓	✓
Loan in MyBank		

Question 21:

Time: 1 Min 17 Sec

Marks: 1 / 1

Performance feedback allows which of the following actions?

- (1) To take action to improve your skills and performance so you are effective in your current and future roles
- (2) To have your say about how you think your colleagues are performing

Choose the most appropriate option.

Options	Response	Answer
Both (1) and (2)		
Only (2)		
Neither (1) Nor (2)		
Only (1)	✓	✓

Question 22:

Time: 36 Sec

Marks: 1/ 1

What are the benefits of ADM?

- (1) Project standardization and customization
- (2) Common project management framework

Choose the most appropriate option.

Options	Response	Answer
Neither (1) Nor (2)		
Only (1)		
Only (2)		
Both (1) and (2)	✓	✓

Question 23:

Time: 1 Min 54 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class StringTester{  
    public static void main(String[] args) {  
        String string = "Java Training";  
        System.out.println("Character at index : " + string.charAt(6));  
        System.out.println("Index of 'a' : " + string.lastIndexOf('a'));  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Character at index : i Index of 'a' : 5		
Character at index : r Index of 'a' : 7	✓	✓
Character at index : a Index of 'a' : 8		
Character at index : T Index of 'a' : 6		

Question 24:

Time: 1 Min 54 Sec

Marks: 1/ 1

Consider table **Employee**(EmpId, EmpName,salary,deptNo).

WHICH is the CORRECT SQL statement to list employees whose salary is more than their department's average salary? The result should be in ascending order of department number.

Options	Response	Answer
<pre>SELECT e1.empId, e1.empName, e1.salary,e1.deptNo FROM employee e1 WHERE avg(salary) > (SELECT e2.salary FROM employee e2 WHERE e2.deptNo = e1.deptNo) ORDER BY e1.deptNo;</pre>		
<pre>SELECT e1.empId, e1.empName, e1.salary,e1.deptNo FROM employee e1 WHERE salary > (SELECT avg(e2.salary) FROM employee e2 WHERE e2.deptNo = e1.deptNo) ORDER BY e1.deptNo;</pre>	✓	✓
<pre>SELECT e1.empId, e1.empName, e1.salary,e1.deptNo FROM employee e1 ORDER BY e1.deptNo WHERE salary > (SELECT avg(e2.salary) FROM employee e2 WHERE e2.deptNo = e1.deptNo);</pre>		
<pre>SELECT e1.empId, e1.empName, e1.salary,e1.deptNo FROM employee e1 WHERE salary > (SELECT avg(e2.salary) FROM employee e2) ORDER BY e1.deptNo;</pre>		

Question 25:

Time: 1 Min 11 Sec

Marks: 0/1

Consider the table Project(projectId, projectType,budget).

Which is the CORRECT SQL statement to retrieve the count of projects which is of type 'FIN' or' SALE'? It should count for 'FIN' and 'SALE' separately.

Options	Response	Answer
<pre>SELECT projectType,COUNT(projectId) FROM project WHERE projectType IN('FIN','SALE');</pre>		
<pre>SELECT projectType,COUNT(projectId) FROM project WHERE projectType IN('FIN','SALE') GROUP BY projectType;</pre>		✓
<pre>SELECT projectType,COUNT(projectId) FROM project WHERE projectType IN('FIN','SALE') GROUP BY projectId;</pre>		
<pre>SELECT projectType,COUNT(projectId) FROM project GROUP BY projectId HAVING projectType IN('FIN','SALE');</pre>	✓	

Question 26:

Time: 1 Min 28 Sec

Marks: 1/1

Arrange the following stages of Project Lifecycle according to SDLC.

- (1) Planning
- (2) Initiation
- (3) Closing
- (4) Execution

Choose the most appropriate option.

Options	Response	Answer
(1) - (2) - (4) - (3)		
(2) - (1) - (3) - (4)		
(1) - (2) - (3) - (4)		
(2) - (1) - (4) - (3)	✓	✓

Question 27:**Time: 1 Min 2 Sec****Marks: 0/ 1**

Which of the following statement(s) is/are TRUE?

- 1) GET method is the default form submission method
- 2) Check box is a multi select control

Options	Response	Answer
Only 1	✓	
Neither 1 nor 2		
Only 2		
Both 1 and 2		✓

Question 28:**Time: 2 Min 17 Sec****Marks: 0/ 1**

What will be the output of the following Java code?

Vehicle.java

```
public class Vehicle {  
    private float enginePower;  
  
    public Vehicle(float enginePower){  
        this.enginePower = enginePower;  
    }  
    public float getEnginePower(){  
        return enginePower;  
    }  
}
```

FourWheeler.java

```
public class FourWheeler extends Vehicle{  
    private String type;  
    public FourWheeler(){  
        this.type = "LMV";  
    }  
    public FourWheeler(String type, float enginePower){  
        this.type = type;  
    }  
    public String getType(){  
        return type;  
    }  
}
```

InheritanceTester.java

```
public class InheritanceTester {  
    public static void main(String[] args){  
        FourWheeler vehicle = new FourWheeler("HMV", 3.5F);  
        System.out.println(vehicle.getType() + " " + vehicle.getEnginePower());  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
null 3.5	✓	
Error in the code: Implicit super constructor Vehicle() is undefined. Must explicitly invoke another constructor		✓
LMV 0.0		
HMV 3.5		

Question 29:
Time: 51 Sec
Marks: 1/ 1

You are working on a critical project. Due to some project requirement you are asked to share sensitive information with others. Which among the following actions you will perform?

- a. Don't share any sensitive information with anyone
- b. Label the information as "Restricted" so that no one tries to access the information
- c. Use encryption for secure sharing of information

Choose the most appropriate option.

Options	Response	Answer
Only (a)		
Only (c)	✓	✓
Only (b)		
Both (a) and (b)		

Question 30:
Time: 1 Min 18 Sec
Marks: 0/ 1

John and Peter are working on a Java project. John is using Windows platform and Peter is using Unix platform. In order for Peter to execute John's Java code which file John should share with Peter?

Choose the most appropriate option.

Options	Response	Answer
Source Code (.java file)		
Both Source Code (.java file) and JVM		
Both Byte Code (.class file) and Source Code (.java file)	✓	
Byte Code (.class file)		✓

Question 31:
Time: 46 Sec
Marks: 1/ 1

Consider the table **Account(accountId, accountType,balance)**.

Which is the CORRECT SQL statement to display all unique accountTypes from account table?

Options	Response	Answer
SELECT ALL DISTINCT accountType FROM account;		
SELECT DISTINCT ALL accountType FROM account		
SELECT (DISTINCT)accountType FROM account;		
SELECT DISTINCT accountType FROM account;	✓	✓

Question 32:
Time: 3 Min 28 Sec
Marks: 0/ 1

What will be the output of the following Java code?

```
class ApplicationTester{  
    public static void main(String args[]) {  
        for(int j=0; j<3; j++) {  
            for(int i=0; i<5; i++) {  
                if(i == 2) break;  
                System.out.print(i + " ");  
            }  
        }  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
0 1 will be printed 3 times		✓
0 1 3 4 will be printed 3 times		
0 1 2 3 4 will be printed 3 times	✓	
0 1 2 will be printed 3 times		

Question 33:

Time: 1 Min 37 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
public class ApplicationTester {  
    public static void main(String[] args){  
        int[] array = {-23,-1,-15,-11,-8};  
        int max = 0;  
        for(int i=0; i < array.length; i++){  
            if( array[i] > max){  
                max = array[i];  
            }  
        }  
        System.out.println(max);  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
-8		
-1		
0	✓	✓
-23		

Question 34:
Time: 1 Min 48 Sec
Marks: 1 / 1

What will be the output of the following Java code?

```
interface A{
    void display(); // Line X
}

class B implements A{
    void display(){ // Line Y
        System.out.println("B");
    }
}

public class Demo{
    public static void main(String[] args) {
        A a=new B(); // Line Z
        a.display();
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
B		
Compilation error at Line Z: Invalid reference type		
Compilation error at Line X: missing 'abstract' keyword		
Compilation error at Line Y: cannot reduce the visibility of the method	✓	✓

Question 35:

Time: 1 Min 30 Sec

Marks: 0 / 1

What will be the output of the following Java code?

```
public class ApplicationTester {  
    public static void main(String[] args){  
        int i=0;  
        while(++i <= 5){  
            System.out.print(i + " ");  
            i++;  
        }  
        System.out.println(i);  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
1 3 5 7		✓
1 3 5	✓	
3 5		
3 5 7		

Question 36:

Time: 34 Sec

Marks: 1 / 1

Which of the following statement/s is/are TRUE with respect to Community Cloud?

- (1) Exclusively owned and operated by a single organization
- (2) Available for use by a shared community consisting of several organizations

Choose the most appropriate option.

Options	Response	Answer
Only (1)		
Neither (1) Nor (2)		
Only (2)	✓	✓
Both (1) and (2)		

Question 37:
Time: 51 Sec
Marks: 1 / 1

Which is the correct CSS code to display the text "Accenture" in light grey background?

Options	Response	Answer
<h2 style="background-color:lightgrey">Accenture</h2>	✓	✓
<h2 style="background-color:lightgrey">Accenture</h2>		
<h2 background-color:lightgrey>Accenture</h2>		
<h2 style="background-color:lightgrey">Accenture</h2>		

Question 38:
Time: 50 Sec
Marks: 0 / 1

Assume that table **Customer** has some records as shown below.

CUSTOMERID	ACCOUNTNUMBER	BALANCE
1	100	2000
2	100	500
3	101	2500
4	101	1000

Identify the CORRECT SQL statement to display the output as shown below.

CUSTOMERID	ACCOUNTNUMBER	BALANCE
4	101	1000
3	101	2500
2	100	500
1	100	1000

Options	Response	Answer
select * from customer order by accountnumber desc,balance desc;		
select * from customer order by accountnumber desc,balance;		✓
select * from customer order by accountnumber, balance ;	✓	
select * from customer order by balance;		

Question 39:
Time: 51 Sec
Marks: 0/ 1

Which is the CORRECT SQL statement to drop the column "Commission" from an existing table "Employee"?

Options	Response	Answer
ALTER TABLE Employee TRUNCATE Column Commission;		
ALTER TABLE Employee DROP Column Commission;		✓
ALTER TABLE Employee REMOVE COLUMN Commission;	✓	
ALTER TABLE Employee DELETE Column Commission;		

Question 40:
Time: 1 Min 50 Sec
Marks: 0/ 1

What will be the output of the following Java code?

```
package x;
public class Student{
    void display(){ // Line 1
        System.out.println("Hello");
    }
}

package y;
import x.Student; // Line 2

public class TestFinalClass {
    public static void main(String[] args) {
        Student s = new Student();
        s.display(); // Line 3
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error at Line 3 : The method display from type Student is not visible		✓
Compilation error at Line 2 : Cannot import class Student from package x		
The code will print Hello	✓	
Compilation error at Line 1 : No access specifier defined for method display		

Question 41:**Time: 51 Sec****Marks: 0/ 1**

What will be the output of the following Java code?

```
public class Tester{
    public static void main(String[] args){
        int array[] = new int[3];
        for (int i = 0; i < array.length; i++){
            System.out.print(array[i] + " ");
        }
        System.out.print("--Done--");
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
0 --Done--	✓	
--Done--		
Compilation error as array values have not been initialized		
0 0 0 --Done--		✓

Question 42:

Time: 57 Sec

Marks: 1 / 1

Consider the Java code given below:

```
public class MemoryTester{
    public static void main(String[] args){
        String company = new String("Accenture");
        int employeeCount = 350000;
    }
}
```

Which of the following statement is TRUE with respect to the above code?

Choose the most appropriate option.

Options	Response	Answer
company' reference variable and String object will be created in heap, but employeeCount will be created in Stack		
'company' reference varibale, 'employeeCount' and String object all are created in Stack		
company' reference varibale, 'employeeCount' and String object all are created in Heap		
company' reference variable and 'employeeCount' will be created in Stack where as String object will be created in Heap	✓	✓

Question 43:

Time: 28 Sec

Marks: 1 / 1

Which among the following are DevOps Principle?

- (i) Automate Everything
- (ii) Test early and often
- (iii) Strong source control

Choose the most appropriate option.

Options	Response	Answer
Only (i) and (ii)		
Only (i) and (iii)		
Ony (ii) and (iii)		
All (i), (ii) and (iii)	✓	✓

Question 44:

Time: 15 Sec

Marks: 0 / 1

In HTML, which tag is used to display an ordered list?

Options	Response	Answer
	✓	
		✓
<dl>		
<u>		

Question 45:
Time: 41 Sec
Marks: 0/ 1

Consider the below tables are created and has some records.

Account(accountId,balance) - account id is primary key

Transaction(transactionId,accountId,transactionType,amount) - AccountId is foreign key referring to accountId of account table

Assume that Transaction table has records for more than one accountId. Which is the CORRECT SQL statement to retrieve all accountId(s) for which there is no transactions are recorded?

Options	Response	Answer
SELECT accountid FROM account WHERE accountid IN(SELECT accountid FROM transaction);	✓	
SELECT accountid FROM account WHERE accountid != (SELECT accountid FROM transaction);		
SELECT accountid FROM account WHERE accountid NOT IN(SELECT * FROM transaction);		
SELECT accountid FROM account WHERE accountid NOT IN(SELECT accountid FROM transaction);		✓

Question 46:

Time: 38 Sec

Marks: 1 / 1

Identify the CORRECT statement(s)

- (a) A column with UNIQUE constraint can have NULL values
- (b) FOREIGN KEY column can have NULL values
- (c) A TABLE can have more than one PRIMARY KEY column
- (d) FOREIGN KEY column can refer to PRIMARY KEY column of same table only

Options	Response	Answer
b and c only		
a,b and d only		
a and b only	✓	✓
a and d only		

Question 47:

Time: 1 Min 18 Sec

Marks: 1 / 1

Consider table Employee(EmployeeId, EmployeeName, DeptCode) .

Which is the CORRECT SQL query to display the EmployeeId and EmployeeName of employees who are working in DeptCode 10 OR 20?

(i) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode IN (10,20);

(ii) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode = 10 OR DeptCode = 20;

Options	Response	Answer
Only (ii)		
Neither (i) nor (ii)		
Both (i) and (ii)	✓	✓
Only (i)		

Question 48:

Time: 30 Sec

Marks: 1 / 1

Which of the following are characteristics of Agile?

- a. Deliver working software frequently, from a couple of weeks to a couple of months
- b. Working software is the primary measure of progress
- c. Comprehensive documentation

Choose the most appropriate option.

Options	Response	Answer
Both (b) and (c)		
All (a), (b) and (c)		
Both (a) and (c)		
Both (a) and (b)	✓	✓

Question 49:

Time: 1 Min 1 Sec

Marks: 0/ 1

Consider the following tables:

Nominee(NomineeId, NomineeName, DateOfBirth, Relationship)

Account(AccountNumber, OpeningDate, Balance, NomineeId)

Which is the CORRECT SQL query to display AccountNumber, OpeningDate, NomineeName, DateOfBirth, Relationship of accounts including the accounts for which there are NO nominees?

Options	Response	Answer
<pre>SELECT Account.AccountNumber,Account.Ope ningDate,Nominee.NomineeName, Nominee.DateOfBirth,Nominee.Relatio nship FROM Account INNER JOIN Nominee ON Account.NomineeId = Nominee.NomineeId;</pre>		
<pre>SELECT Account.AccountNumber,Account.Ope ningDate,Nominee.NomineeName, Nominee.DateOfBirth,Nominee.Relatio nship FROM Account LEFT OUTER JOIN Nominee ON Account.NomineeId = Nominee.NomineeId;</pre>		<input checked="" type="checkbox"/>
<pre>SELECT Account.AccountNumber,Account.Ope ningDate,Nominee.NomineeName, Nominee.DateOfBirth,Nominee.Relatio nship FROM Nominee LEFT OUTER JOIN Account ON Account.NomineeId = Nominee.NomineeId;</pre>		<input checked="" type="checkbox"/>
<pre>SELECT Account.AccountNumber,Account.Ope ningDate,Nominee.NomineeName, Nominee.DateOfBirth,Nominee.Relatio nship FROM Account CROSS JOIN Nominee;</pre>		

Question 50:

Time: 1 Min 16 Sec

Marks: 0/ 1

Refer the code given below:

```
package pack1;
public class Vehicle {
    protected Vehicle(){
        System.out.println("From Constructor Of Vehicle");
    }
    void displayDetails() {
        System.out.println("Vehicle displayDetails method");
    }
}

package pack2;
import pack1.Vehicle;
public class Car extends Vehicle {
    public void displayCarDetails() {
        System.out.println("Car displayDetails method");
    }
}

package pack2;
import pack1.Vehicle;
public class Tester{
    public static void main(String[] args) {
        Vehicle vehicle = new Car(); //Line1
        vehicle.displayDetails(); //Line2
    }
}
```

Choose a valid option from below that represents the output of the above code:

Choose the most appropriate option.

Options	Response	Answer
Error at Line2 displayDetails() method is not visible		✓
From Constructor Of Vehicle Car displayDetails method	✓	
Error at Line1 Vehicle constructor is not visible		
From Constructor Of Vehicle Vehicle displayDetails method		

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Test Taken on: February 28, 2019 03:33:35 PM IST

Finish State: Normal

Registration Details

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Overall Summary

MARKS SCORED

	Score	Percentile	Percentage
Section #1	29 / 50	19	58
Total	29 / 50	19	58

Percentile is among 2493 candidate(s) who've taken this test.

SUMMARY OF ATTEMPTS

21 Incorrect
(Scored 0/21)



29 Correct
(Scored 29/29)

TIME TAKEN

1	18
hr	min

Available time: 1 hr 20 min

TOTAL QUESTIONS

50

Question-wise Details

Section #1

Question 1:

Time: 2 Min 26 Sec

Marks: 1/ 1

Assume that table **Event** is created using the below script.

```
CREATE TABLE Event(  
    EventId VARCHAR2(5) CONSTRAINT Event_PK PRIMARY KEY,  
    EventName VARCHAR2(20) CONSTRAINT Event_NN NOT NULL,  
    StageNumber NUMBER(2) DEFAULT 1,  
    NumberOfParticipants NUMBER(2));
```

Identify the correct insert statements which can be applied on Event table

- a) INSERT INTO Event VALUES('E1','Dance',NULL,2);
- b) INSERT INTO Event VALUES('E1','Speech',1);
- c) INSERT INTO Event(EventId,EventName) VALUES('E3','Drama');
- d) INSERT INTO Event(EventId,StageNumber,NumberOfParticipants) VALUES('E4',4,7)

Options	Response	Answer
a and b		
a and d		
b and c		
a and c	✓	✓

Question 2:

Time: 2 Min 26 Sec

Marks: 0/ 1

Consider the below tables.

Actor(actorId,actorName) - actorId is primary key

Event(eventId,eventName) - eventId is primary key

Registration(registrationId,actorId,eventId) - actorId and eventId are foreign keys

Which is the CORRECT SQL statement to retrieve actorId, actorName and eventId for all actors who has registered for an event. If any actor is not registered for any event, still the actor details should be displayed.

Options	Response	Answer
<pre>SELECT a.actorId,a.actorName,r.eventId FROM Actor a CROSS JOIN Registration r ON a.actorid=r.actorid;</pre>		
<pre>SELECT a.actorId,a.actorName,r.eventId FROM Actor a INNER JOIN Registration r ON a.actorid=r.actorid;</pre>		
<pre>SELECT a.actorId,a.actorName,r.eventId FROM Actor a LEFT OUTER JOIN Registration r ON a.actorid=r.actorid;</pre>		✓
<pre>SELECT a.actorId,a.actorName,r.eventId FROM Actor a RIGHT OUTER JOIN Registration r ON a.actorid=r.actorid;</pre>	✓	

Question 3:

Time: 2 Min 31 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class ApplicationTester {  
    public static void main(String[] args){  
        String company = new String("Accenture Solutions Pvt Ltd");  
        String[] tokens = company.split(" ");  
        System.out.println(tokens.length);  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
0		
4	✓	✓
3		
1		

Question 4:

Time: 29 Sec

Marks: 1/ 1

Which of the following statement/s is/are TRUE with respect to Community Cloud?

- (1) Exclusively owned and operated by a single organization
- (2) Available for use by a shared community consisting of several organizations

Choose the most appropriate option.

Options	Response	Answer
Only (2)	✓	✓
Only (1)		
Neither (1) Nor (2)		
Both (1) and (2)		

Question 5:

Time: 1 Min 9 Sec

Marks: 0/ 1

Which of the following is/are TRUE with respect to Grey Box Testing?

- (a) Testing is based on the requirements and specifications of the system internals
- (b) Testing does not check the code or internal structure
- (c) Testing monitors an application to check if its behavior matches with the valid input

Choose the most appropriate option.

Options	Response	Answer
Both (b) and (c) are TRUE		
Only (a) is TRUE		✓
All (a), (b) and (c) are TRUE	✓	
Both (a) and (b) are TRUE		

Question 6:**Time: 1 Min 45 Sec****Marks: 0/ 1**

Assume that my_style.css is an existing and a valid css file. Which is the CORRECT way to refer this external style sheet?

Options	Response	Answer
<link rel="stylesheet" type="text/css" href= "my_style.css" />		✓
<style rel="stylesheet" type="text/css" href= "my_style.css" />		
<stylesheet type="text/css" href= "my_style.css" />	✓	
<link> href= "my_style.css" </link>		

Question 7:**Time: 2 Min 12 Sec****Marks: 1/ 1**

Consider the Java code given below.

```
public class Rectangle {  
    private int length;  
    private int width;  
    public static void main(String[] args) {  
        Rectangle rectangle1 = new Rectangle();  
        rectangle1.length=10;  
        rectangle1.width=5;  
        Rectangle rectangle2 = rectangle1;  
        System.out.println("Length : "+rectangle2.length);  
        System.out.println("Width : "+rectangle2.width);  
    }  
}
```

With respect to the above code, identify where the instance variables 'length' and 'width' will be stored in the memory? And where 'rectangle1' will be stored in the memory?

Choose the most appropriate option.

Options	Response	Answer
'length' and 'width' will be stored in stack, 'rectangle1' will be stored in heap		
'length', 'width' and 'rectangle1' will be stored in heap		
'length' and 'width' will be stored in heap, 'rectangle1' will be stored in stack	✓	✓
'length', 'width' and 'rectangle1' will be stored in stack		

Question 8:**Time: 2 Min 26 Sec****Marks: 0/1**

Consider the following Java class.

```
public class MyClass{  
    public int add(int num1, int num2){  
        //valid logic  
    }  
}
```

Consider the following add method implementations.

1)
int add(int a, int b,int c){
 return a+b;
}

2)
double add(double a, double b){
 return a+b;
}

3)
double add(int a, int b){
 return a+b;
}

Identify the CORRECT add method implementation/s which can be placed in MyClass?

Choose the most appropriate option.

Options	Response	Answer
All 1, 2 and 3		
Both 1 and 2		✓
Both 2 and 3		
Only 1	✓	

Question 9:

Time: 37 Sec

Marks: 1/ 1

Refer the HTML code given below.

```
<html>

<body>

<table border="1">

<tr> <th colspan="2"> Customer Details </th><th>Regular</th>

<tr> <th>cid</th> <th>cname</th> <th>phone</th> </tr>

<tr> <td>100</td> <td>Jack</td> <td>5655765</td> </tr>

<tr> <td>101</td> <td>John</td> <td rowspan="2">8989092</td> </tr>

<tr> <td>102</td> <td>James</td> </tr>

</table>

</body>

</html>
```

How many cells will be displayed when the page is displayed on the browser?

Options	Response	Answer
13	✓	✓
10		
11		
14		

Question 10:

Time: 1 Min 19 Sec

Marks: 0/ 1

Consider the following tables:

Account(AccountNumber, AccountOpeningDate, Balance). Here AccountNumber is

the primary key.

Transaction(TransactionId, AccountNumber, DateOfTransaction, Amount, TransactionType);

Here TransactionId is the primary key and AccountNumber is the foreign key

referencing AccountNumber in Account table.

Which is the CORRECT query to display AccountNumber and balance of accounts on which NO transaction was done after '31-Dec-2015';

Options	Response	Answer
<pre>SELECT AccountNumber,Balance FROM Account WHERE AccountNumber NOT IN (SELECT AccountNumber FROM Transaction);</pre>		
<pre>SELECT AccountNumber,Balance FROM Account WHERE AccountNumber NOT IN (SELECT AccountNumber FROM Transaction WHERE DateOfTransaction > '31-Dec- 2015');</pre>		✓

```

SELECT AccountNumber,Balance
FROM Account

WHERE AccountNumber IN

(SELECT AccountNumber FROM
Transaction

WHERE DateOfTransaction > '31-Dec-
2015');

```



```

SELECT AccountNumber,Balance
FROM Account

WHERE AccountNumber NOT IN

(SELECT AccountNumber FROM
Transaction

WHERE DateOfTransaction = '31-Dec-
2015');

```

Question 11:

Time: 52 Sec

Marks: 1 / 1

Performance feedback allows which of the following actions?

- (1) To take action to improve your skills and performance so you are effective in your current and future roles
- (2) To have your say about how you think your colleagues are performing

Choose the most appropriate option.

Options	Response	Answer
Neither (1) Nor (2)		
Both (1) and (2)		
Only (2)		
Only (1)	✓	✓

Question 12:

Time: 38 Sec

Marks: 0/ 1

Which of the following statement/s is/are VALID array declaration in JavaScript?

(1) var mixed=['ABCD',1234,12.3,"Value","1"]

(2) var arrayVar=[1,2,3,4]

(3) var arrayVar={1,2,3,4}

Options	Response	Answer
All (1), (2) and (3)		
Both (1) and (2)		✓
Only (1)		
Both (2) and (3)	✓	

Question 13:

Time: 39 Sec

Marks: 1/ 1

Assume that table **Player** has following records.

PlayerId	Salary	PlayerAverage
P1	25000	75.5
P2	20000	70
P3	22000	70.5

How many row(s) will be deleted after executing the SQL statement given below?

DELETE FROM Player WHERE Salary>=20000 AND PlayerAverage<70;

Options	Response	Answer
0	✓	✓
2		
1		
ERROR: No matching record in Player table.		

Question 14:

Time: 4 Min 42 Sec

Marks: 0/ 1

Consider the Java code given below:

```
class Student {  
    private int rollNo;  
    public Student(int rollNo){  
        this.rollNo = rollNo;  
    }  
    public void display(){  
        System.out.println("Roll Number is: "+rollNo);  
    }  
}  
  
public class TestMain {  
    public static void main(String[] args) {  
        Student[] s = new Student[5];  
        s[0] = new Student(101);  
        s[0].display();  
        s[1].display();  
    }  
}
```

What will be the output of the above code?

Choose the most appropriate option.

Options	Response	Answer
Roll Number is: 101 Roll Number is: null		
Roll Number is: 101 Roll Number is: 0	✓	
Roll Number is: 101 Roll Number is: 102		
Roll Number is: 101 Exception in thread "main" java.lang.NullPointerException		✓

Question 15:

Time: 1 Min 15 Sec

Marks: 1/ 1

Consider the table Employee(EmployeeNumber,EmployeeName,Salary,DeptCode).

Which is the CORRECT SQL statement to display DeptCode and average salary of each department?

Options	Response	Answer
SELECT DeptCode,avg(salary) FROM Employee;		
SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode;	✓	✓
SELECT DeptCode,avg(salary) FROM Employee GROUP BY Salary;		
SELECT DeptCode,avg(salary) FROM Employee GROUP BY EmployeeNumber;		

Question 16:

Time: 1 Min 25 Sec

Marks: 1/ 1

Consider the table Employee given below.

EMPID	SALARY	DEPTNO
101	8000	10
102	4000	20
103	6000	30
104	5000	10
105	5000	20

What would be the output of the SQL query given below.

SELECT deptno,salary FROM employee ORDER BY salary DESC, deptno ;

Options	Response	Answer
DEPTNO SALARY 10 8000 30 6000 10 5000 20 5000 20 4000	✓	✓
DEPTNO SALARY 10 8000 30 6000 20 5000 10 5000 20 4000		
DEPTNO SALARY 10 8000 10 5000 20 5000 20 4000 30 6000		

DEPTNO SALARY	
30	6000
20	5000
20	4000
10	8000
10	5000

Question 17:
Time: 54 Sec
Marks: 1/ 1

Which of the following actions should be performed to ensure cyber safety at a user level?

- (i) Automatic downloads from the websites should be enabled
- (ii) Automatic security updates should be installed
- (iii) Firewall should be turned off if the system has the latest security update

Choose the most appropriate option

Options	Response	Answer
Only (iii)		
Only (ii)	✓	✓
Both (i) and (ii)		
Both (i) and (iii)		
Both (ii) and (iii)		

Question 18:
Time: 54 Sec
Marks: 1/ 1

Consider the HTML code given below.

```
<html>

<head>

<style>

h2{

color:green;

}

span{

color:blue;

}

</style>

</head>

<body>

<h2>Accenture <span> Bangalore</span> India</h2>

</body>

</html>
```

While displaying output on the browser what will be the color of each word of the text "Accenture Bangalore India"?

Options	Response	Answer
Accenture - Green		
Bangalore - Green		
India - Green		
Accenture - Green	✓	✓
Bangalore - Blue		
India - Green		
Accenture - Green		
Bangalore - Green		
India - Blue		
Accenture - Green		
Bangalore - Blue		
India - Blue		

Question 19:

Time: 43 Sec

Marks: 1/ 1

Which of the following are CORRECT statement?

- a) onClick() and onFocus() are DOM events
- b) The DOM method getElementByTagName("name") retrieves an array of all elements having the given tag name
- c) In Java Script, a browser is represented by an implicit object called Document

Options	Response	Answer
a and c only		
a and b only	✓	✓
a, b and c		
b and c only		

Question 20:

Time: 1 Min 51 Sec

Marks: 0/1

What will be the output of the following Java code?

```

1 package mypackage1;
2
3 public class Parent {
4     public Parent(){
5         System.out.print(" 1 ");
6     }
7 }
8
9 package mypackage1;
10
11 public class Child extends Parent{
12     protected Child(){
13         System.out.println(" 2 ");
14     }
15 }
16
17 package mypackage2;
18
19 public class ApplicationTester{
20     public static void main(String[] args){
21         mypackage1.Child child = new mypackage1.Child();
22     }
23 }
24

```

Options	Response	Answer
Compilation error at Line 21: The constructor Child() is not visible		✓
2 1		
Compilation error at Line 12: Invalid access specifier 'protected' for the constructor 'Child()'		
1 2	✓	

Question 21:
Time: 1 Min 9 Sec
Marks: 0/ 1

John and Peter are working on a Java project. John is using Windows platform and Peter is using Unix platform. In order for Peter to execute John's Java code which file John should share with Peter?

Choose the most appropriate option.

Options	Response	Answer
Source Code (.java file)		
Both Byte Code (.class file) and Source Code (.java file)	✓	
Both Source Code (.java file) and JVM		
Byte Code (.class file)		✓

Question 22:
Time: 4 Min 9 Sec
Marks: 0/ 1

What will be the output of the following Java code?

```
class ApplicationTester{  
    public static void main(String args[]) {  
        for(int j=0; j<3; j++) {  
            for(int i=0; i<5; i++) {  
                if(i == 2) break;  
                System.out.print(i + " ");  
            }  
        }  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
0 1 2 will be printed 3 times		
0 1 2 3 4 will be printed 3 times	✓	
0 1 will be printed 3 times		✓
0 1 3 4 will be printed 3 times		

Question 23:

Time: 47 Sec

Marks: 1 / 1

Refer the Incomplete JavaScript code given below:

```
<script>  
  
var gVar='This is global value';  
  
function aFun(){  
  
    var gVar='Local Data1';  
  
    //Line1  
  
}  
  
</script>  
  
<button onclick='aFun()'>Click</button>
```

Identify the CORRECT option which if placed at Line1 will display the alert message 'This is global value'

Options	Response	Answer
alert(window.gVar)	✓	✓
alert(global.gVar)		
alert(gVar)		
alert(document.gVar)		

Question 24:

Time: 59 Sec

Marks: 0/ 1

Table **Account(acId, accType, balance)** has some records.

Identify the CORRECT SQL statement to display acId and balance after adding 1000 to the existing balance amount.

Options	Response	Answer
SELECT acld, balance+1000 AS "New Balance" FROM account;		✓
SELECT acld, balance AS balance+1000 FROM account;		
SELECT acld, "New Balance" AS balance+1000 FROM account;		
SELECT acld, balance+1000 AS New Balance FROM account;	✓	

Question 25:

Time: 1 Min 14 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class MyClass{
    public MyClass() {
        System.out.println("Inside constructor");
    }
    static {
        System.out.println("Inside static block 1");
    }
    static {
        System.out.println("Inside static block 2");
    }
    public static void main(String[] args) {
        System.out.println("Inside main method");
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Inside static block 1 Inside static block 2 Inside main method	✓	✓
Inside main method		
Inside main method Inside constructor Inside static block 1 Inside static block 2		
Inside main method Inside static block 1 Inside static block 2		

Question 26:

Time: 4 Min 13 Sec

Marks: 0/ 1

What will be the output of the following Java code?

Employee.java

```
public class Employee {
    private int employeeId;
    private String employeeName;

    public Employee(){
        this.employeeName = null;
        this.employeeId = 0;
        System.out.println("Employee Constructor");
    }
}
```

ArrayOfObjectsTester.java

```
public class ArrayOfObjectsTester {
    public static void main(String[] args){
        Employee[] employee = new Employee[3]; //Line-1
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error at Line-1: Invalid array declaration		
Program will display nothing		✓
Employee Constructor will be displayed 3 times	✓	
Employee Constructor will be displayed once		

Question 27:
Time: 55 Sec
Marks: 1 / 1

What will be the output of the following Java code?

```
public class DoWhileTester{
    public static void main(String[] args) {
        int number = 26;
        do {
            if (number % 2 == 0) {
                System.out.println(number);
            }
            number++;
        } while (number < 25);
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
24		
25		
0		
26	✓	✓

Question 28:
Time: 28 Sec
Marks: 0 / 1

Depict the relation between the classes mentioned below

```
class Company{  
    String company_name;  
    Address address;  
    Company(String compnay_name){  
        address = new Address(10,"Delhi","10th Cross","India");  
    }  
}  
  
class Address{  
    int streetNum;  
    String city;  
    String state;  
    String country;  
    Address(int street,String city,String state,String country){  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Abstraction		
Composition		✓
Generalization		
Aggregation	✓	

Question 29:

Time: 27 Sec

Marks: 1 / 1

How does ADM ensure smooth transfer of deliverables from one team or one stage to another?

- a. By using ADM Estimators
- b. By using ADM Metrics
- c. By using Transition Points

Choose the most appropriate option.

Options	Response	Answer
Only (c)	✓	✓
Only (a)		
All (a), (b) and (c)		
Only (b)		

Question 30:

Time: 3 Min 29 Sec

Marks: 1 / 1

Consider the following Java code.

```

1 public abstract class Bank {
2     protected double amount;
3
4     public Bank(){
5         this.amount = 1000.0;
6     }
7     abstract public void createAccount();
8     public double getAmount(){
9         return this.amount;
10    }
11 }
12
13 public class MyBank extends Bank{
14     public MyBank(){
15         this.amount = 2000.0;
16     }
17 }
```

The above code with respect to MyBank class has compilation error. Identify the CORRECT method to be included in MyBank class to make it error free.

Options	Response	Answer
<pre>1 void createAccount(){ 2 System.out.println("Ac 3 } 4</pre> 		
<pre>1 protected void createAccou 2 System.out.println("Ac 3 } 4</pre> 		
<pre>1 public void createAccount(2 System.out.println("Ac 3 } 4</pre> 	✓	✓
<pre>1 abstract public void creat 2 System.out.println("Ac 3 } 4</pre> 		

Question 31:

Time: 3 Min 4 Sec

Marks: 0/ 1

Consider the below tables.

Publisher(PublisherCode, PublisherName, Address, Email). Here PublisherCode is the primary key;

Book (ISBN, Title, Author, Price, PublisherCode). Here ISBN is the Primary Key and PublisherCode is the foreign key referencing the PublisherCode in Publisher table.

Which is the CORRECT SQL query to display ISBN, Title, Author, PublisherCode and PublisherName for all the books.

Options	Response	Answer
<pre>SELECT Book.ISBN, Book.Title, Book.Author, Book.PublisherCode, Publisher.PublisherName FROM Book SELF JOIN Publisher ON Book.PublisherCode = Publisher.PublisherCode;</pre>	✓	
<pre>SELECT Book.ISBN, Book.Title, Book.Author, Book.PublisherCode, Publisher.PublisherName FROM Book,Publisher;</pre>		
<pre>SELECT ISBN,Title,Author,PublisherCode,PublisherName FROM Book INNER JOIN Publisher ON PublisherCode = PublisherCode;</pre>		
<pre>SELECT Book.ISBN, Book.Title, Book.Author, Book.PublisherCode, Publisher.PublisherName FROM Book INNER JOIN Publisher ON Book.PublisherCode = Publisher.PublisherCode;</pre>	✓	

Question 32:

Time: 30 Sec

Marks: 1/ 1

Arrange the following stages of Project Lifecycle according to SDLC.

- (1) Planning
- (2) Initiation
- (3) Closing
- (4) Execution

Choose the most appropriate option.

Options	Response	Answer
(1) - (2) - (3) - (4)		
(1) - (2) - (4) - (3)		
(2) - (1) - (4) - (3)	✓	✓
(2) - (1) - (3) - (4)		

Question 33:

Time: 2 Min 32 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
interface A{  
    void display(); // Line X  
}  
  
class B implements A{  
    void display(){ // Line Y  
        System.out.println("B");  
    }  
}  
  
public class Demo{  
    public static void main(String[] args) {  
        A a=new B();  
        a.display(); // Line Z  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation Error at line X: missing 'abstract' key		
Compilation Error at line Y: Cannot reduce the visibility of the inherited method from A	✓	✓
Compilation Error at line Z: method 'display' is not defined in interface 'A'		
B		

Question 34:

Time: 1 Min 29 Sec

Marks: 1 / 1

What will be the output of the following Java code?

Policy.java

```
public class Policy {  
    private void readPolicy(){  
        System.out.println("Policy - readPolicy()");  
    }  
    public void writePolicy(){  
        System.out.println("Policy - writePolicy()");  
    }  
}
```

MoneyBackPolicy.java

```
public class MoneyBackPolicy extends Policy{  
    public void readPolicy(){  
        System.out.println("MoneyBackPolicy - readPolicy()");  
    }  
    public void writePolicy(){  
        System.out.println("MoneyBackPolicy - writePolicy()");  
    }  
}
```

DynamicBindingTester.java

```
public class DynamicBindingTester {  
    public static void main(String[] args){  
        Policy policy = new MoneyBackPolicy();  
        policy.readPolicy();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
There is no error in the code, but the code will not display any output.		
Compilation error: The method readPolicy() from the type Policy is not visible	✓	✓
Policy - readPolicy()		
MoneyBackPolicy - readPolicy()		

Refer the code given below:

```
public class Vehicle {  
    private int vehicleId;  
    private String vehicleName;  
    public Vehicle(int vehicleId, String vehicleName) {  
        this.vehicleId = vehicleId;  
        this.vehicleName = vehicleName;  
    }  
    // Assume Getters and Setters are coded  
}  
  
public class Car extends Vehicle {  
    private String carModel;  
    private double average;  
    //Line1  
    // Assume getters and Setters are already coded...  
}
```

Choose a valid Constructor implementation to be inserted at Line1 to make the above code compile successfully

Choose the most appropriate option.

Options	Response	Answer
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { this.carModel = carModel; this.average = average; }</pre>		
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { super(vehicleId, vehicleName); //Java code to initialize carModel and average }</pre>		✓
<pre>public void Car(int vehicleId, String vehicleName, String carModel,double average) { super(vehicleId, vehicleName); //Java code to initialize carModel and average }</pre>	✓	
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { //Java code to initialize carModel and average super(vehicleId, vehicleName); }</pre>		

Question 36:

Time: 24 Sec

Marks: 1/ 1

In HTML, Which is the CORRECT code to display a hyper link "Click"?

[Note: While clicking on "Click" it should direct to accenture portal]

Options	Response	Answer
 Click 		
 https://portal.accenture.com 		
 Click 	✓	✓
<a href="https://portal.accenture.com", Click 		

Question 37:

Time: 1 Min 36 Sec

Marks: 0/ 1

Assume that table **Employee** has following records.

Empld	JobBand	DeptId
1001	A	10
1002	B	30
1003	A	20
1004	A	10

Which is the CORRECT SQL statement to display the output as show below.

JobBand	DeptId
A	10
A	20
B	30

Options	Response	Answer
SELECT DISTINCT jobBand,DeptId from Employee WHERE jobBand='A' AND jobBand='B';	✓	
SELECT DISTINCT jobBand,DeptId from Employee;		✓
SELECT DISTINCT jobBand,DISTINCT DeptId from Employee;		
SELECT DISTINCT jobBand,DISTINCT DeptId from Employee WHERE jobBand='A' AND jobBand='B';		

Question 38:

Time: 1 Min 34 Sec

Marks: 1/ 1

Consider table **Project**(projectId, projectType, budget).

Which is the CORRECT SQL statement to display projectId, projectType and budget of project which is having minimum budget in each project type?

Options	Response	Answer
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1 WHERE MIN(p1.budget)IN(SELECT MIN(p2.budget) FROM project p2 WHERE p1.projectType=p2.projectType);</pre>		
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1 WHERE p1.budget IN(SELECT MIN(p2.budget) FROM project p2 WHERE p1.projectType=p2.projectType);</pre>	✓	✓
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1 WHERE p1.budget IN(SELECT MIN(p2.budget) FROM project p2 WHERE p1.budget=p2.budget);</pre>		
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1 WHERE p1.budget IN(SELECT MIN(p2.budget) FROM project p2);</pre>		

Question 39:

Time: 1 Min 46 Sec

Marks: 1 / 1

Identify the CORRECT method which can be added in to class MyClass

```
public class MyClass {  
    public int display(int num1, float num2){  
        return 0;  
    }  
    public double display(String name, int salary) {  
        return 0.0;  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
public String display(String name, int salary{ return "success"; }		
public double display(String empName, int empld){ return 0.0; }		
public float display(int num1, float num2){ return 0.0f; }		
public void display(int num1, String num2){ }	✓	✓

Question 40:

Time: 49 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
1 package mypackage1;
2
3 public class Parent {
4     protected Parent(){
5         System.out.print("1 ");
6     }
7 }
8
9 package mypackage2;
10 import mypackage1.Parent;
11
12 public class Child extends Parent{
13     protected Child(){
14         System.out.println("2");
15     }
16 }
17
18 package mypackage2;
19
20 public class ApplicationTester {
21     public static void main(String[] args){
22         Child child = new Child();
23     }
24 }
25
```

Options	Response	Answer
2		
Compilation error at Line 4: 'Parent' constructor cannot be 'protected'		
Compilation error at Line 13: 'Child' constructor cannot be 'protected'		
1 2	✓	✓

Question 41:**Time: 1 Min 39 Sec****Marks: 0/ 1**

Consider table **Account(customerid, accountid, accounttype,balance)** has been created with customerid as primary key.
Identify ALTER statement which executes successfully on account table. [Note: Table has no records]

Options	Response	Answer
ALTER TABLE Account ADD CONSTRAINT acc_null NOT NULL(accounttype);	✓	
ALTER TABLE Account ADD CONSTRAINT acc_chek CHECK(accounttype IN('C','S'));		✓
ALTER TABLE Account ADD CONSTRAINT PRIMARY KEY(customerid, accountid);		
ALTER TABLE Account DROP Balance;		

Question 42:

Time: 51 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class Tester{
    public static void main(String[] args){
        int num = 12;
        switch (num % 2) {
            default:
                System.out.println("Default");
            case 0:
                System.out.println("Even");
            case 1:
                System.out.println("Odd");
                break;
        }
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Default		
Default Even Odd		
Even Odd	✓	✓
Compilation error as default cannot be the first case among all the cases		

Question 43:

Time: 1 Min 57 Sec

Marks: 1/ 1

What will be the output of the following Java code?

Vehicle.java

```
public class Vehicle {  
    private float enginePower;  
  
    public Vehicle(float enginePower){  
        this.enginePower = enginePower;  
    }  
    public float getEnginePower(){  
        return enginePower;  
    }  
}
```

FourWheeler.java

```
public class FourWheeler extends Vehicle{  
    private String type;  
    public FourWheeler(){  
        this.type = "LMV";  
    }  
    public FourWheeler(String type, float enginePower){  
        this.type = type;  
    }  
    public String getType(){  
        return type;  
    }  
}
```

InheritanceTester.java

```
public class InheritanceTester {  
    public static void main(String[] args){  
        FourWheeler vehicle = new FourWheeler("HMV", 3.5F);  
        System.out.println(vehicle.getType() + " " + vehicle.getEnginePower());  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
null 3.5		
Error in the code: Implicit super constructor Vehicle() is undefined. Must explicitly invoke another constructor	✓	✓
HMV 3.5		
LMV 0.0		

Question 44:

Time: 23 Sec

Marks: 0/ 1

Which of the following statement/s is/are TRUE with respect to Agile?

- (1) Focuses on an iterative, incremental, and flexible approach to software development
- (2) Development of software takes place in sequential phases

Choose the most appropriate option

Options	Response	Answer
Only (2) is TRUE		
Only (1) is TRUE		✓
Both (1) and (2) are FALSE		
Both (1) and (2) are TRUE	✓	

Question 45:

Time: 2 Min 47 Sec

Marks: 0/ 1

What will be the output of the following Java code?

MyInterface1.java

```
public interface MyInterface1 {  
    public void method1();  
}
```

MyInterface2.java

```
public interface MyInterface2 {  
    void method2();  
}
```

MyClass.java

```
public class MyClass implements MyInterface1, MyInterface2{  
    public void method1(){  
        System.out.print ("1 ");  
    }  
    void method2(){  
        System.out.print ("2");  
    }  
}
```

InterfaceTester.java

```
public class InterfaceTester {  
    public static void main(String[] args){  
        MyClass reference = new MyClass();  
        reference.method1();  
        reference.method2();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
1 2		
Compilation error: Cannot reduce the visibility of the inherited method from MyInterface2		✓
Compilation error: method2 in MyInterface2 must be defined with public access specifier	✓	
Compilation error: MyClass cannot implement more than one interface		

Question 46:

Time: 29 Sec

Marks: 1/ 1

Consider the table Customer given below.

CustomerId	CustomerName
101	John
102	Tom
103	twinkle
104	HELEN

What would be the output of the following SQL statement?

SELECT CustomerName FROM Customer

WHERE CustomerName LIKE 'T%' OR CustomerName LIKE '%N';

Options	Response	Answer
Tom	✓	✓
HELEN		
Tom		
twinkle		
Helen		
John		
Tom		
HELEN		
John		
Tom		
HELEN		
twinkle		

Question 47:

Time: 12 Sec

Marks: 0/ 1

Consider the Java code given below and determine how many objects and how many references are used in the Java code. Assume that Employee is a valid Java class.

```
public class EmployeeTester {
    public static void main(String[] args){
        Employee emp1 = new Employee();
        Employee emp2 = new Employee();
        Employee emp3 = emp1;
        Employee emp4 = emp1;
    }
}
```

Choose the most appropriate option

Options	Response	Answer
4 objects and 4 references		
4 objects and 2 references	✓	
2 objects and 4 references		✓
2 objects and 2 references		

Question 48:
Time: 1 Min 17 Sec
Marks: 1 / 1

What will be the output of the following Java code?

```
class MyClass{
    public static void main(String[] args) {
        char value='2';
        switch(value){
            case 1:
                System.out.println("one");
            case 2:
                System.out.println("two ");
            case 3:
                System.out.println("three");
            default:
                System.out.println("default");
        }
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
default	✓	✓
one two three default		
two three		
two three default		

Question 49:

Time: 22 Sec

Marks: 0 / 1

Which of the following statement(s) is/are TRUE?

- 1) GET method is the default form submission method
- 2) Check box is a multi select control

Options	Response	Answer
Only 2	✓	
Neither 1 nor 2		
Both 1 and 2		✓
Only 1		

Question 50:

Time: 12 Sec

Marks: 1 / 1

Which of the following is/are DevOps Principle?

- (1) Continuous improvement
- (2) Test early and often

Choose the most appropriate option.

Options	Response	Answer
Both (1) and (2)	✓	✓
Neither (1) Nor (2)		
Only (1)		
Only (2)		



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Test Taken on: February 28, 2019 03:17:27 PM IST

Finish State: Normal

Registration Details

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Overall Summary

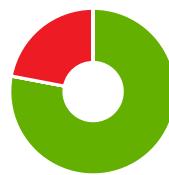
MARKS SCORED

	Score	Percentile	Percentage
Section #1	39 / 50	67	78
Total	39 / 50	67	78

Percentile is among 2404 candidate(s) who've taken this test.

SUMMARY OF ATTEMPTS

11 Incorrect
(Scored 0/11)



39 Correct
(Scored 39/39)

TIME TAKEN

1	10
hr	min

Available time: 1 hr 20 min

TOTAL QUESTIONS

50

Question-wise Details

Section #1

Question 1:

Time: 39 Sec

Marks: 1/ 1

In HTML, which is the CORRECT character entity to display ">" symbol?

Options	Response	Answer
#gt;		
gt;		
>	✓	✓
&#gt;		

Question 2:

Time: 23 Sec

Marks: 1/ 1

Which of the following are CORRECT statement?

- a) onClick() and onFocus() are DOM events
- b) The DOM method getElementByTagName("name") retrieves an array of all elements having the given tag name
- c) In Java Script, a browser is represented by an implicit object called Document

Options	Response	Answer
b and c only		
a and c only		
a and b only	✓	✓
a, b and c		

Question 3:

Time: 17 Sec

Marks: 1 / 1

Which of the following options are the characteristics of Agile development?

- (a) It delivers functional bits of the application as soon as they are ready
- (b) It helps teams respond to unpredictability through incremental, iterative work

Choose the most appropriate option.

Options	Response	Answer
Only (b)		
Only (a)		
Neither (a) Nor (b)		
Both (a) and (b)	✓	✓

Question 4:

Time: 42 Sec

Marks: 1 / 1

Which is the CORRECT statement to remove all records from Account table?

Options	Response	Answer
DELETE * FROM Account;		
DELETE ALL FROM Account;		
DELETE FROM Account;	✓	✓
DELETE FROM TABLE Account;		

Question 5:

Time: 2 Min 36 Sec

Marks: 1 / 1

What will be the output of the following Java code?

Note: Parent class is present in a package called 'packageone'. The Child class and TestPackage class are present in a package called 'packagetwo'

Parent.java

```
package packageone;  
public class Parent {  
    protected void display(){  
        System.out.println("Hello! its from package one");  
    }  
}
```

Child.java (Assume that necessary packages are imported)

```
package packagetwo;  
public class Child extends Parent {  
    public void display(){ //Line 1  
        System.out.println("Hello! its from package two");  
    }  
}
```

TestPackage.java (Assume that necessary packages are imported)

```
package packagetwo;  
public class TestPackage {  
    public static void main(String[] args) {  
        Parent p = new Parent();  
        Child c = new Child();  
        p.display(); // Line 2  
        c.display(); // Line 3  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error at Line 2 : The method display() from the type Parent is not visible	✓	✓
It prints only : Hello! its from package two		
Compilation error at Line 1 : Cannot widen the visibility of the inherited method		
It prints both : Hello! its from package one Hello! its from package two		

Question 6:

Time: 51 Sec

Marks: 1/ 1

Assume that my_style.css is an existing and a valid css file. Which is the CORRECT way to refer this external style sheet?

Options	Response	Answer
<stylesheet type="text/css" href="my_style.css" />		
<link> href= "my_style.css" </link>		
<style rel="stylesheet" type="text/css" href= "my_style.css" />		
<link rel="stylesheet" type="text/css" href= "my_style.css" />	✓	✓

Question 7:

Time: 2 Min 49 Sec

Marks: 0/ 1

Assume that table **Employee** has following records.

Empld	JobBand	DeptId
1001	A	10
1002	B	30
1003	A	20
1004	A	10

Which is the CORRECT SQL statement to display the output as show below.

JobBand	DeptId
A	10
A	20
B	30

Options	Response	Answer
SELECT DISTINCT jobBand,DISTINCT DeptId from Employee WHERE jobBand='A' AND jobBand='B';		
SELECT DISTINCT jobBand,DISTINCT DeptId from Employee;		
SELECT DISTINCT jobBand,DeptId from Employee;		✓
SELECT DISTINCT jobBand,DeptId from Employee WHERE jobBand='A' AND jobBand='B';	✓	

Question 8:

Time: 1 Min 8 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class WhileTester {  
    public static void main(String[] args) {  
        int i =10;  
        while(i++<15) {  
            System.out.print(i+" ");  
        }  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
10 11 12 13 14 15		
11 12 13 14 15	✓	✓
11 12 13 14		
12 13 14 15		

Question 9:

Time: 50 Sec

Marks: 1 / 1

Refer the HTML code given below:

```
<html>

<table border="2">

<tr> <th colspan="3"> Employee Details</th></tr>

<tr><th>Employee Name</th> <th>Department</th></tr>

<tr><td>Jack</td> <td>LKM</td></tr>

<tr><td>Ace</td><td rowspan="2">Delivery</td></tr>

<tr><td>Justin</td></tr>

</table>

</html>
```

How many cells will be displayed when the page is displayed on the browser?

Options	Response	Answer
8	✓	✓
10		
7		
9		

Question 10:

Time: 1 Min 54 Sec

Marks: 1 / 1

Identify the CORRECT method which can be added in to class MyClass

```
public class MyClass {  
    public int display(int num1,float num2){  
        return 0;  
    }  
    public double display(String name, int salary) {  
        return 0.0;  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
public void display(int num1,String num2){ }	✓	✓
public String display(String name, int salary{ return "success"; }		
public float display(int num1,float num2){ return 0.0f; }		
public double display(String empName, int empld){ return 0.0; }		

Question 11:

Time: 3 Min 37 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
1 public abstract class Bank {  
2     protected double amount;  
3  
4     public Bank(){  
5         this.amount = 1000.0;  
6     }  
7     public abstract void createAccount();  
8     public double getAmount(){  
9         return this.amount;  
10    }  
11 }  
12  
13 public class MyBank extends Bank{  
14     public MyBank(){  
15         this.amount = 2000.0;  
16     }  
17     public void createAccount(){  
18         System.out.println("Account created");  
19     }  
20 }  
21  
22 public class ApplicationTester {  
23     public static void main(String[] args){  
24         Bank b = new MyBank();  
25         b.createAccount();  
26         System.out.println(b.getAmount());  
27     }  
28 }  
29 }
```

Options	Response	Answer
Compilation error at Line 24: Cannot have a reference of type 'Bank'	✓	
Account created		
1000.0		
Compilation error at Line 4: Cannot have constructor in abstract class 'Bank'		
Account created		✓
2000.0		

Question 12:

Time: 1 Min 8 Sec

Marks: 0/ 1

There is a requirement to create a web page with a text box. The page should be loaded with a value "Hello" in the text box. Which is the CORRECT html code to meet the above requirement?

Options	Response	Answer
<html> <input type="text" name="Hello"/> </html>	✓	
<html> <input type="text" id="Hello"/> </html>		
<html> <input type="text" value="Hello"/> </html>		✓
<html> <input type="text" onLoad="Hello"/> </html>		

Question 13:

Time: 51 Sec

Marks: 1/ 1

Which of the following statement/s is/are TRUE with respect to Community Cloud?

- (1) Exclusively owned and operated by a single organization
- (2) Available for use by a shared community consisting of several organizations

Choose the most appropriate option.

Options	Response	Answer
Both (1) and (2)		
Neither (1) Nor (2)		
Only (1)		
Only (2)	✓	✓

Question 14:

Time: 1 Min 20 Sec

Marks: 1/ 1

Consider the Java code given below. When the code is executed, how many times "1" will be printed?

```
public class Tester{  
    public static void main(String[] args){  
        for(int i=0; i < 5; i++){  
            if(i > 2){  
                continue;  
            }  
            System.out.print(" 1 ");  
        }  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
3 times	✓	✓
6 times		
5 times		
2 times		

Question 15:

Time: 1 Min 4 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class Tester{  
    public static void main(String[] args){  
        int array[] = new int[3];  
        for (int i = 0; i < array.length; i++){  
            System.out.print(array[i] + " ");  
        }  
        System.out.print("--Done--");  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
0 0 0 --Done--	✓	✓
--Done--		
Compilation error as array values have not been initialized		
0 --Done--		

Question 16:

Time: 1 Min 18 Sec

Marks: 1/ 1

Consider the table Salesman(SalesmanId, SalesmanName, TotalSales).

Which is the CORRECT SQL query to display details in the decreasing order (highest to lowest) of TotalSales and in the decreasing order of SalesmanId in case TotalSales is the same.

Options	Response	Answer
<pre>SELECT SalesmanId, SalesmanName, TotalSales FROM Salesman ORDER BY TotalSales, SalesmanId;</pre>		
<pre>SELECT SalesmanId, SalesmanName, TotalSales FROM Salesman ORDER BY TotalSales DESC, SalesmanId DESC;</pre>	✓	✓
<pre>SELECT SalesmanId, SalesmanName, TotalSales FROM Salesman ORDER BY TotalSales, SalesmanId DESC;</pre>		
<pre>SELECT SalesmanId, SalesmanName, TotalSales FROM Salesman ORDER BY TotalSales DESC, SalesmanId;</pre>		

Question 17:

Time: 1 Min 45 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
class Employee {  
    public Employee() {  
        System.out.println("From Constructor of Employee");  
    }  
}  
  
public class Tester {  
    public static void main(String[] args) {  
        Employee[] employee = new Employee[5];  
        employee[0] = new Employee(); //Line2  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Prints the "From Constructor of Employee" 6 times		
Prints the "From Constructor of Employee" 5 times		
Compilation error at Line2: Invalid assignment operation		
Prints the "From Constructor of Employee" 1 times	✓	✓

Question 18:

Time: 10 Sec

Marks: 1 / 1

Which of the following is/are TRUE with respect to Grey Box Testing?

- (a) Testing is based on the requirements and specifications of the system internals
- (b) Testing does not check the code or internal structure
- (c) Testing monitors an application to check if its behavior matches with the valid input

Choose the most appropriate option.

Options	Response	Answer
Both (a) and (b) are TRUE		
All (a), (b) and (c) are TRUE		
Only (a) is TRUE	✓	✓
Both (b) and (c) are TRUE		

Question 19:

Time: 1 Min 9 Sec

Marks: 0/ 1

Consider the table Customer given below.

CustomerId	CustomerName
101	John
102	Tom
103	twinkle
104	HELEN

What would be the output of the following SQL statement?

SELECT CustomerName FROM Customer

WHERE CustomerName LIKE 'T%' OR CustomerName LIKE '%N';

Options	Response	Answer
John	✓	
Tom		
HELEN		
twinkle		
Tom		
twinkle		
Helen		
Tom		✓
HELEN		
John		
Tom		
HELEN		

Question 20:

Time: 4 Min 16 Sec

Marks: 1/ 1

What will be the output of the following Java code? Assume that all classes are present in the same package.

```
class Account {  
    int balance;  
    public void createAccount() {  
        System.out.println("Account created");  
        balance = 500;  
    }  
}  
  
class SavingsAccount extends Account {  
    public void createAccount() {  
        System.out.println("Savings account created");  
        balance = 1000;  
    }  
}  
  
public class ApplicationTester{  
    public static void main(String[] args) {  
        Account account = new SavingsAccount();  
        account.createAccount();  
        System.out.println("Balance: "+account.balance);  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Account created Balance: null		
Account created Balance: 500		
Compilation Error: The field Account.balance is not visible		
Savings account created Balance: 1000	✓	✓

Question 21:**Time: 3 Min 25 Sec****Marks: 0 / 1**

What will be the output of the following Java code?

```
public class Customer {  
    public Customer(long points){  
        System.out.println("Total Points credited is "+points);  
    }  
    public Customer (long points, int validity){  
        System.out.println("Total points "+points+" with validity days are "+validity+" days");  
    }  
    public static void main(String[] args) {  
        Customer obj1 = new Customer(100L);  
        Customer obj2 = new Customer(100,20);  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Output is :Total points 100 with validity days are 20 days		
Output is :Total Points credited is 100 Total points 100 with validity days are 20 days		✓
Compilation Success but no output		
Compilation Error: The constructor Customer() is undefined	✓	

Question 22:**Time: 1 Min 9 Sec****Marks: 0 / 1**

Which of the following statement(s) are TRUE regarding Java architecture?

- (i) Byte code or .class file is platform independent
- (ii) JVM is platform independent

Choose the most appropriate option.

Options	Response	Answer
Both (i) and (ii) are TRUE	✓	
Only (i) is TRUE		✓
Neither (i) Nor (ii) are TRUE		
Only (ii) is TRUE		

Question 23:

Time: 1 Min 45 Sec

Marks: 1 / 1

Assume that table **Event** is created using the below script.

```
CREATE TABLE Event(
    EventId VARCHAR2(5) CONSTRAINT Event_PK PRIMARY KEY,
    EventName VARCHAR2(20) CONSTRAINT Event_NN NOT NULL,
    StageNumber NUMBER(2) DEFAULT 1,
    NumberOfParticipants NUMBER(2));
```

Identify the correct insert statements which can be applied on Event table

- a) INSERT INTO Event VALUES('E1','Dance',NULL,2);
- b) INSERT INTO Event VALUES('E1','Speech',1);
- c) INSERT INTO Event(EventId,EventName) VALUES('E3','Drama');
- d) INSERT INTO Event(EventId,StageNumber,NumberOfParticipants) VALUES('E4',4,7)

Options	Response	Answer
b and c		
a and b		
a and d		
a and c	✓	✓

Question 24:

Time: 3 Min 16 Sec

Marks: 0/ 1

What will be the output of the following Java code?

MyInterface1.java

```
public interface MyInterface1 {  
    public void method1();  
}
```

MyInterface2.java

```
public interface MyInterface2 {  
    void method2();  
}
```

MyClass.java

```
public class MyClass implements MyInterface1, MyInterface2{  
    public void method1(){  
        System.out.print ("1 ");  
    }  
    void method2(){  
        System.out.print ("2");  
    }  
}
```

InterfaceTester.java

```
public class InterfaceTester {  
    public static void main(String[] args){  
        MyClass reference = new MyClass();  
        reference.method1();  
        reference.method2();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
1 2	✓	
Compilation error: MyClass cannot implement more than one interface		
Compilation error: method2 in MyInterface2 must be defined with public access specifier		
Compilation error: Cannot reduce the visibility of the inherited method from MyInterface2		✓

Question 25:

Time: 26 Sec

Marks: 0/ 1

How does ADM ensure smooth transfer of deliverables from one team or one stage to another?

- a. By using ADM Estimators
- b. By using ADM Metrics
- c. By using Transition Points

Choose the most appropriate option.

Options	Response	Answer
Only (a)		
Only (b)		
All (a), (b) and (c)	✓	
Only (c)		✓

Question 26:

Time: 1 Min 48 Sec

Marks: 1/ 1

Consider the below tables.

Customer(customerId,customerName) - customerId is primary key

Account(accountId,accountType,balance,customerId) - accountId is primary key and customerId is foreign key

Which is the CORRECT SQL statement to retrieve customerId, customerName, accountId and balance for all customers. It should also display the details of the customers who are not having any account.

Options	Response	Answer
<pre>SELECT c.customerId,c.customerName,a.accountId,a.balance FROM customer c INNER JOIN account a ON c.customerId=a.customerId;</pre>		
<pre>SELECT c.customerId,c.customerName,a.accountId,a.balance FROM account a LEFT OUTER JOIN customer c ON c.customerId=a.customerId;</pre>		
<pre>SELECT c.customerId,c.customerName,a.accountId,a.balance FROM account a RIGHT OUTER JOIN customer c ON c.customerId=a.customerId;</pre>	✓	✓
<pre>SELECT c.customerId,c.customerName,a.accountId,a.balance FROM customer c RIGHT OUTER JOIN account a ON c.customerId=a.customerId;</pre>		

Question 27:

Time: 56 Sec

Marks: 1/ 1

Consider the below tables are created and has some records.

Account(accountId,balance) - account id is primary key

Transaction(transactionId,accountId,transactionType,amount) - AccountId is foreign key referring to accountId of account table

Assume that Transaction table has records for more than one accountId. Which is the CORRECT SQL statement to retrieve all accountId(s) for which there is no transactions are recorded?

Options	Response	Answer
SELECT accountid FROM account WHERE accountid NOT IN(SELECT * FROM transaction);		
SELECT accountid FROM account WHERE accountid IN(SELECT accountid FROM transaction);		
SELECT accountid FROM account WHERE accountid NOT IN(SELECT accountid FROM transaction);	✓	✓
SELECT accountid FROM account WHERE accountid != (SELECT accountid FROM transaction);		

Question 28:

Time: 2 Min 21 Sec

Marks: 0/1

Consider table **Account(customerid, accountid, accounttype,balance)** has been created with customerid as primary key.
Identify ALTER statement which executes successfully on account table. [Note: Table has no records]

Options	Response	Answer
ALTER TABLE Account ADD CONSTRAINT acc_chek CHECK(accounttype IN('C','S'));		✓
ALTER TABLE Account DROP Balance;		
ALTER TABLE Account ADD CONSTRAINT PRIMARY KEY(customerid, accountid);		
ALTER TABLE Account ADD CONSTRAINT acc_null NOT NULL(accounttype);	✓	

Question 29:
Time: 23 Sec
Marks: 1/ 1

Which of the following is/are DevOps Principle?

- (1) Continuous improvement
- (2) Test early and often

Choose the most appropriate option.

Options	Response	Answer
Both (1) and (2)	✓	✓
Only (2)		
Only (1)		
Neither (1) Nor (2)		

Question 30:
Time: 32 Sec
Marks: 1/ 1

Which of the following actions should be performed to ensure cyber safety at a user level?

- (i) Automatic downloads from the websites should be enabled
- (ii) Automatic security updates should be installed
- (iii) Firewall should be turned off if the system has the latest security update

Choose the most appropriate option

Options	Response	Answer
Both (ii) and (iii)		
Only (ii)	✓	✓
Both (i) and (iii)		
Only (iii)		
Both (i) and (ii)		

Question 31:

Time: 1 Min 18 Sec

Marks: 1 / 1

Refer the code given below:

```
public class Vehicle {  
    private int vehicleId;  
    private String vehicleName;  
    public Vehicle(int vehicleId, String vehicleName) {  
        this.vehicleId = vehicleId;  
        this.vehicleName = vehicleName;  
    }  
    // Assume Getters and Setters are coded  
}  
  
public class Car extends Vehicle {  
    private String carModel;  
    private double average;  
    //Line1  
    // Assume getters and Setters are already coded...  
}
```

Choose a valid Constructor implementation to be inserted at Line1 to make the above code compile successfully

Choose the most appropriate option.

Options	Response	Answer
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { this.carModel = carModel; this.average = average; }</pre>		
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { super(vehicleId, vehicleName); //Java code to initialize carModel and average }</pre>	✓	✓
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { //Java code to initialize carModel and average super(vehicleId, vehicleName); }</pre>		
<pre>public void Car(int vehicleId, String vehicleName, String carModel,double average) { super(vehicleId, vehicleName); //Java code to initialize carModel and average }</pre>		

Question 32:

Time: 2 Min 33 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
interface Message {  
    void writeContent();  
}  
  
class Email implements Message {  
    public void writeContent() {  
        System.out.println("Email message");  
    }  
}  
  
class SMS implements Message {  
    public void writeContent() {  
        System.out.println("SMS message");  
    }  
}  
  
public class ApplicationTester{  
    public static void main(String[] args) {  
        Message message = new Email(); //Line-1  
        message.writeContent();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
SMS message		
Compilation error at Line-1: Cannot have a reference of interface type		
null		
Email message	✓	✓

Question 33:**Time: 56 Sec****Marks: 0/ 1**

Which of the following statement/s is/are TRUE?

- 1) Stack is used for storing the local variables and instance variables
- 2) Heap is used for dynamic memory allocation to objects
- 3) Garbage collector is used to clear stack memory

Choose the most appropriate option.

Options	Response	Answer
Both (2) and (3) are TRUE		
Both (1) and (2) are TRUE	✓	
Only (2) is TRUE		✓
All (1), (2) and (3) are TRUE		

Question 34:

Time: 23 Sec

Marks: 1 / 1

Consider the tables given below.

Customer(customerId,(customerName)

Book(bookId, bookName)

Purchase(purchaseId, bookId, customerId)

bookId and customerId in purchase table are foreign keys referring to Book and Customer tables respectively. Which is the CORRECT SQL statement to retrieve customer name and book name for all books purchased by customers.

Options	Response	Answer
<pre>SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p ON c.customerId=p.customerId;</pre>		
<pre>SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p ON c.customerId=p.customerId INNER JOIN book b ON b.bookid=p.bookid;</pre>	✓	✓
<pre>SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p INNER JOIN book b ON b.bookid=p.bookid AND c.customerId=p.customerId;</pre>		
<pre>SELECT c.customerName,b.bookName FROM customer c INNER JOIN purchase p ON c.customerId=p.customerId SELF JOIN book b ON b.bookid=p.bookid;</pre>		

Question 35:

Time: 1 Min 51 Sec

Marks: 1 / 1

Refer the class declarations given below:

```
class A{ }
```

```
class B extends A{ }
```

```
class C extends B{ }
```

```
class D extends C{ }
```

Identify the INCORRECT statement.

Choose the most appropriate option.

Options	Response	Answer
A a = new D();		
C c=new C();		
C c=new B();	✓	✓
B b=new D();		

Question 36:

Time: 2 Min 0 Sec

Marks: 1 / 1

Refer the Incomplete JavaScript code given below:

```
<script>  
  
var gVar='This is global value';  
  
function aFun(){  
  
    var gVar='Local Data1';  
  
    //Line1  
  
}  
  
</script>  
  
<button onclick='aFun()'>Click</button>
```

Identify the CORRECT option which if placed at Line1 will display the alert message 'This is global value'

Options	Response	Answer
alert(window.gVar)	✓	✓
alert(document.gVar)		
alert(global.gVar)		
alert(gVar)		

Question 37:

Time: 2 Min 28 Sec

Marks: 1/ 1

Consider the table **Employee** (EmployeeId, Name, CareerLevel, Salary).

Which is the CORRECT SQL query to display EmployeeId, Name, CareerLevel and Salary of employees who are getting the maximum salary in each career level?

Options	Response	Answer

<pre> SELECT EmployeeId, Name, CareerLevel, Salary </pre>		
<pre> FROM Employee E1 WHERE max(Salary) IN (SELECT max(Salary) FROM Employee E2 </pre>		
<pre> WHERE E2.CareerLevel = E1.CareerLevel); </pre>		
<pre> SELECT EmployeeId, Name, CareerLevel, Salary </pre>	✓	✓
<pre> FROM Employee E1 WHERE Salary IN (SELECT max(Salary) FROM Employee E2 </pre>		
<pre> WHERE E2.CareerLevel = E1.CareerLevel); </pre>		
<pre> SELECT EmployeeId, Name, CareerLevel, Salary </pre>		
<pre> FROM Employee E1 WHERE Salary IN(</pre>		
<pre> SELECT max(Salary) FROM Employee E2 </pre>		
<pre> WHERE E2.salary = E1.salary); </pre>		

```

SELECT EmployeeId, Name,
CareerLevel, Salary

FROM Employee E1 WHERE Salary IN

(SELECT max(Salary) FROM
Employee E2);

```

Question 38:
Time: 33 Sec
Marks: 1/ 1

What will be the output of the following Java code?

```

public class SwitchCaseTester{
public static void main(String[] args) {
int number = 1;
switch(number) {
case 1: System.out.println("One");
case 2: System.out.println("Two"); break;
case 3: System.out.println("Three"); break;
default: System.out.println("Not a number");
}
}
}

```

Choose the most appropriate option.

Options	Response	Answer
One		
One Two Three Not a number		
One Two	✓	✓
One Two Three		

Question 39:

Time: 31 Sec

Marks: 1/1

What will be the output of the following Java code?

```
public class StringTester{
    public static void main(String[] args) {
        String s1=new String("Accenture");
        String s2=new String("India Limited");
        s1.concat(s2);
        System.out.println(s1);
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Accenture India Limited		
Accenture India		
India Limited		
Accenture	✓	✓

Question 40:

Time: 1 Min 19 Sec

Marks: 1/1

What will be the output of the following Java code?

```
public class ApplicationTester {
    public static void main(String[] args){
        int data1=10, data2=10;

        if (data1 > data2){
            System.out.println("1");
        } else {
            System.out.println("2");
        }
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
1		
The code will display both 1 and 2		
Compilation error: Invalid use of 'if'		
2	✓	✓

Question 41:

Time: 53 Sec

Marks: 1 / 1

Refer the JavaScript code given below.

```
<html>

<head>

<script>

function aFun(){

var num1=111;

var num2="111";

alert(num1==num2) //Line1

alert(num1===num2) //Line2

}

</script>

</head>

<button onclick='aFun()'>Click</button>

</html>
```

When the above code is executed, what will be the output produced by Line1 and Line2?

Options	Response	Answer
Output from Line1: true, Output from Line2: false	✓	✓
JavaScript will show a compilation error as "===" is not defined		
Output from Line1: true, Output from Line2: true		
Output from Line1: false, Output from Line2: true		

Question 42:
Time: 49 Sec
Marks: 1/ 1

Table **Account(acId, accType, balance)** has some records.

Identify the CORRECT SQL statement to display acId and balance after adding 1000 to the existing balance amount.

Options	Response	Answer
SELECT acId, "New Balance" AS balance+1000 FROM account;		
SELECT acId, balance+1000 AS "New Balance" FROM account;	✓	✓
SELECT acId, balance AS balance+1000 FROM account;		
SELECT acId, balance+1000 AS New Balance FROM account;		

Question 43:
Time: 15 Sec
Marks: 1/ 1

Performance feedback allows which of the following actions?

- (1) To take action to improve your skills and performance so you are effective in your current and future roles
- (2) To have your say about how you think your colleagues are performing

Choose the most appropriate option.

Options	Response	Answer
Neither (1) Nor (2)		
Only (1)	✓	✓
Both (1) and (2)		
Only (2)		

Question 44:
Time: 1 Min 44 Sec
Marks: 1/ 1

What will be the output of the following Java code?

```
public class BookingSeats {
    int resv_seat= 6;
    static int available_seats = 45;

    public static void main(String args[]) {
        BookingSeats t1 = new BookingSeats();
        BookingSeats t2 = new BookingSeats();
        t1.resv_seat = 12;
        t1.available_seats = 10;
        t2.resv_seat = 14;
        t2.available_seats = 20;
        System.out.println(t1.resv_seat + " " + t1.available_seats + " " + t2.resv_seat + " "+ t2.available_seats);
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
12 20 14 20	✓	✓
12 45 14 45		
12 10 14 20		
6 45 14 20		

Question 45:
Time: 15 Sec
Marks: 1/ 1

Assume that below code is present in the head tag of a HTML page.

```
<style>
.myclass{
background-color: lightgrey;
color:blue;
}
</style>
```

Which is the CORRECT way of using this style?

Options	Response	Answer
<h1 class=".myclass">Welcome to My Homepage</h1>		
<h1 style="myclass">Welcome to My Homepage</h1>		
<h1 id="myclass">Welcome to My Homepage</h1>		
<h1 class="myclass">Welcome to My Homepage</h1>	✓	✓

Question 46:

Time: 33 Sec

Marks: 1/ 1

Arrange the following stages of Project Lifecycle according to SDLC.

- (1) Planning
- (2) Initiation
- (3) Closing
- (4) Execution

Choose the most appropriate option.

Options	Response	Answer
(2) - (1) - (3) - (4)		
(2) - (1) - (4) - (3)	✓	✓
(1) - (2) - (3) - (4)		
(1) - (2) - (4) - (3)		

Question 47:

Time: 1 Min 50 Sec

Marks: 1/ 1

Refer the code given below:

```
Employee emp = new Employee();
Employee emp1 = new Employee();
emp = new Employee();
Employee emp2=new Employee();
emp=null;
emp2=emp;
//Line1
```

Assume class Employee is a valid Java class.

How many objects are eligible for garbage collection at Line1.

Choose the most appropriate option.

Options	Response	Answer
4		
3	✓	✓
1		
2		

Question 48:

Time: 2 Min 46 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
1 package mypackage1;
2
3 public class Parent {
4     public Parent(){
5         System.out.print("1 ");
6     }
7     protected void parentMethod(){
8         System.out.println(" 3 ");
9     }
10}
11
12 package mypackage2;
13 import mypackage1.Parent;
14
15 public class Child extends Parent{
16     public Child(){
17         System.out.println("2");
18     }
19}
20
21
22 package mypackage2;
23
24 public class ApplicationTester{
25     public static void main(String[] args){
26         Child child = new Child();
27         child.parentMethod();
28     }
29}
30
```

Options	Response	Answer
Compilation error at Line 27: The method parentMethod() from the type Parent is not visible		✓
1 2 3	✓	
1 2		
Compilation error at Line 7: 'parentMethod' cannot be 'protected'		

Question 49:

Time: 1 Min 34 Sec

Marks: 1/1

Depict the relation between the classes mentioned below

```
class Company{  
    String company_name;  
    Address address;  
    Company(String compnay_name){  
        address = new Address(10,"Delhi","10th Cross","India");  
    }  
}  
  
class Address{  
    int streetNum;  
    String city;  
    String state;  
    String country;  
    Address(int street,String city,String state,String country){}
}
```

Choose the most appropriate option.

Options	Response	Answer
Abstraction		
Aggregation		
Composition	✓	✓
Generalization		

Question 50:

Time: 51 Sec

Marks: 1 / 1

Consider the table Employee(EmployeeNumber,EmployeeName,Salary,DeptCode).

Which is the CORRECT SQL statement to display DeptCode and average salary of each department?

Options	Response	Answer
SELECT DeptCode,avg(salary) FROM Employee GROUP BY Salary;		
SELECT DeptCode,avg(salary) FROM Employee GROUP BY EmployeeNumber;		
SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode;	✓	✓
SELECT DeptCode,avg(salary) FROM Employee;		



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Test Taken on: February 28, 2019 03:10:01 PM IST

Finish State: Normal

Registration Details

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Overall Summary

MARKS SCORED

	Score	Percentile	Percentage
Section #1	33 / 50	34	66
Total	33 / 50	34	66

Percentile is among 2507 candidate(s) who've taken this test.

SUMMARY OF ATTEMPTS

17 Incorrect
(Scored 0/17)**33 Correct**
(Scored 33/33)

TIME TAKEN

1	7
hr	min

Available time: 1 hr 20 min

TOTAL QUESTIONS

50

Question-wise Details

Section #1

Question 1:

Time: 2 Min 11 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class ApplicationTester{  
    public static void main(String[] args){  
        int array[] ={12,54,78,25,63,98,19};  
        int index=1;  
        int sum;  
        while(index<array.length){  
            sum=0;  
            sum=sum+array[index];  
            System.out.print(sum+" ");  
        }  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
54 78 25 63 98 19		
infinitely prints 54	✓	✓
12 54 78 25 63 98 19		
infinitely prints 12		

Question 2:

Time: 2 Min 17 Sec

Marks: 1/ 1

Assume that table **Event** is created using the below script.

```
CREATE TABLE Event(  
  
EventId VARCHAR2(5) CONSTRAINT Event_PK PRIMARY KEY,  
  
EventName VARCHAR2(20) CONSTRAINT Event_NN NOT NULL,  
  
StageNumber NUMBER(2) DEFAULT 1,  
  
NumberOfParticipants NUMBER(2));
```

Identify the correct insert statements which can be applied on Event table

- a) INSERT INTO Event VALUES('E1','Dance',NULL,2);
- b) INSERT INTO Event VALUES('E1','Speech',1);
- c) INSERT INTO Event(EventId,EventName) VALUES('E3','Drama');
- d) INSERT INTO Event(EventId,StageNumber,NumberOfParticipants) VALUES('E4',4,7)

Options	Response	Answer
a and c	✓	✓
a and d		
a and b		
b and c		

Question 3:

Time: 2 Min 2 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
1 package mypackage1;
2
3 public class Parent {
4     public Parent(){
5         System.out.print(" 1 ");
6     }
7 }
8
9 package mypackage1;
10
11 public class Child extends Parent{
12     protected Child(){
13         System.out.println(" 2 ");
14     }
15 }
16
17 package mypackage2;
18
19 public class ApplicationTester{
20     public static void main(String[] args){
21         mypackage1.Child child = new mypackage1.Child();
22     }
23 }
24 }
```

Options	Response	Answer
Compilation error at Line 12: Invalid access specifier 'protected' for the constructor 'Child()'		
1 2		
Compilation error at Line 21: The constructor Child() is not visible	✓	✓
2 1		

Question 4:**Time: 2 Min 20 Sec****Marks: 0/1**

Consider the following Java class.

```
public class MyClass{  
    public int add(int num1, int num2){  
        //valid logic  
    }  
}
```

Consider the following add method implementations.

1)
int add(int a, int b,int c){
 return a+b;
}

2)
double add(double a, double b){
 return a+b;
}

3)
double add(int a, int b){
 return a+b;
}

Identify the CORRECT add method implementation/s which can be placed in MyClass?

Choose the most appropriate option.

Options	Response	Answer
All 1, 2 and 3		
Only 1		
Both 1 and 2		✓
Both 2 and 3	✓	

Question 5:**Time: 1 Min 13 Sec****Marks: 0/1**

How many times will the Test() constructor be called?

```
class Test {  
    public Test() {  
        System.out.println("Inside Test Constructor");  
    }  
}  
  
public class ConstructorTester {  
    public static void main(String[] args) {  
        Test[] tests = new Test[5];  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
0 time		✓
2 times		
1 time	✓	
5 times		

Question 6:

Time: 1 Min 21 Sec

Marks: 1 / 1

Consider the Java code given below:

```
public class Student{  
    //Attributes of Student class  
    //getter and setter methods  
}  
  
public class ApplicationTester{  
    public static void main(String[] args){  
        Student stu1=new Student();  
        Student stu2=new Student(12345,"Rama");  
        Student stu3;  
        stu3=stu1;  
    }  
}
```

With respect to the above code, how many Student objects and references are created in main method?

Choose the most appropriate option.

Options	Response	Answer
3 Objects, 3 References		
3 Objects , 2 References		
2 Objects, 2 References		
2 Objects, 3 References	✓	✓

Question 7:

Time: 28 Sec

Marks: 1 / 1

Identify the appropriate relationship between the classes House and Room.

Assume that getter and setter methods for all instance variables are implemented.

```
class Room{
    private int length;
    private float width;
}

class House{
    private float area;
    private Room room;

    public House(){
        room=new Room();
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Specialization		
Aggregation		
Association		
Composition	✓	✓

Question 8:

Time: 2 Min 3 Sec

Marks: 0 / 1

What will be the output of the following Java code?

```
1 public interface Bank{
2     void createAccount();
3     public void applyForLoan();
4 }
5
6 public class MyBank implements Bank{
7     void createAccount(){
8         System.out.println("Account in MyBank");
9     }
10    public void applyForLoan(){
11        System.out.println("Loan in MyBank");
12    }
13 }
14
15 public class BankTester{
16     public static void main(String[] args){
17         Bank b = new MyBank();
18         b.applyForLoan();
19     }
20 }
21
```

Options	Response	Answer
Compilation error at Line 17: cannot have reference of 'Bank' type	✓	
Loan in MyBank		
Compilation error at Line 2: 'public' is missing		
Compilation error at Line 7: Cannot reduce the visibility of the inherited method from Bank		✓

Question 9:

Time: 59 Sec

Marks: 1 / 1

Refer the HTML code given below.

```
<html>  
<body>  
<table border="1">  
<tr><th>A</th> <th colspan="2">B</th>  
<tr> <th rowspan="3">C</th> <th>D</th> <th>E</th> </tr>  
<tr> <th>A</th> <th>B</th></tr>  
<tr> <th>D</th> <th>E</th></tr>  
</table>  
</body>  
</html>
```

How many cells will be displayed when the page is displayed on the browser?

Options	Response	Answer
10		
8		
9	✓	✓
11		

Question 10:

Time: 1 Min 56 Sec

Marks: 0/1

Assume that my_style.css is an existing and a valid css file. Which is the CORRECT way to refer this external style sheet?

Options	Response	Answer
<style rel="stylesheet" type="text/css" href= "my_style.css" />	✓	
<stylesheet type="text/css" href= "my_style.css" />		
<link> href= "my_style.css" </link>		
<link rel="stylesheet" type="text/css" href= "my_style.css" />		✓

Question 11:

Time: 13 Sec

Marks: 1/ 1

Which of the following is/are DevOps Principle?

- (1) Continuous improvement
- (2) Test early and often

Choose the most appropriate option.

Options	Response	Answer
Both (1) and (2)	✓	✓
Neither (1) Nor (2)		
Only (2)		
Only (1)		

Question 12:

Time: 2 Min 17 Sec

Marks: 1/ 1

Consider the below tables are created and has some records.

Account(accountId,balance) - account id is primary key

Transaction(transactionId,accountId,transactionType,amount) - AccountId is foreign key referring to accountId of account table

Assume that Transaction table has records for more than one accountId. Which is the CORRECT SQL statement to retrieve all accountId(s) for which there is no transactions are recorded?

Options	Response	Answer
SELECT accountId FROM account WHERE accountId IN(SELECT accountId FROM transaction);		
SELECT accountId FROM account WHERE accountId != (SELECT accountId FROM transaction);		
SELECT accountId FROM account WHERE accountId NOT IN(SELECT * FROM transaction);		
SELECT accountId FROM account WHERE accountId NOT IN(SELECT accountId FROM transaction);	✓	✓

Question 13:

Time: 1 Min 36 Sec

Marks: 0 / 1

What will be the output of the following Java code?

```
class MyClass{
    public static void main(String args[]) {
        int value = 10;
        do{
            System.out.print( value );
            value++;
            System.out.print("\n");
        }while( value < 20 );
        System.out.println(value);
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Prints value from 11 to 19 within the loop and 20 out side the loop		
Prints value 10 within the loop and 11 out side the loop	✓	
Prints value from 10 to 19 within the loop and 19 out side the loop		
Prints value from 10 to 19 within the loop and 20 out side the loop		✓

Question 14:

Time: 52 Sec

Marks: 0 / 1

Which of the following are characteristics of Agile?

- a. Deliver working software frequently, from a couple of weeks to a couple of months
- b. Working software is the primary measure of progress
- c. Comprehensive documentation

Choose the most appropriate option.

Options	Response	Answer
Both (a) and (b)		✓
All (a), (b) and (c)		
Both (a) and (c)	✓	
Both (b) and (c)		

Question 15:
Time: 27 Sec
Marks: 1 / 1

Consider the Java code given below.

```
public class Rectangle {
    private int length;
    private int width;
    public static void main(String[] args) {
        Rectangle rectangle1 = new Rectangle();
        rectangle1.length=10;
        rectangle1.width=5;
        Rectangle rectangle2 = rectangle1;
        System.out.println("Length : "+rectangle2.length);
        System.out.println("Width : "+rectangle2.width);
    }
}
```

With respect to the above code, identify where the instance variables 'length' and 'width' will be stored in the memory? And where 'rectangle1' will be stored in the memory?

Choose the most appropriate option.

Options	Response	Answer
length', 'width' and 'rectangle1' will be stored in stack		
length' and 'width' will be stored in heap, 'rectangle1' will be stored in stack	✓	✓
length', 'width' and 'rectangle1' will be stored in heap		
length' and 'width' will be stored in stack, 'rectangle1' will be stored in heap		

Question 16:

Time: 1 Min 58 Sec

Marks: 0/ 1

Consider the following tables:

Nominee(NomineeId, NomineeName, DateOfBirth, Relationship)

Account(AccountNumber, OpeningDate, Balance, NomineeId)

Which is the CORRECT SQL query to display AccountNumber, OpeningDate, NomineeName, DateOfBirth, Relationship of accounts including the accounts for which there are NO nominees?

Options	Response	Answer
<pre>SELECT Account.AccountNumber,Account.Ope ningDate,Nominee.NomineeName, Nominee.DateOfBirth,Nominee.Relatio nship FROM Account CROSS JOIN Nominee;</pre>		
<pre>SELECT Account.AccountNumber,Account.Ope ningDate,Nominee.NomineeName, Nominee.DateOfBirth,Nominee.Relatio nship FROM Account LEFT OUTER JOIN Nominee ON Account.NomineeId = Nominee.NomineeId;</pre>		✓
<pre>SELECT Account.AccountNumber,Account.Ope ningDate,Nominee.NomineeName, Nominee.DateOfBirth,Nominee.Relatio nship FROM Nominee LEFT OUTER JOIN Account ON Account.NomineeId = Nominee.NomineeId;</pre>	✓	
<pre>SELECT Account.AccountNumber,Account.Ope ningDate,Nominee.NomineeName, Nominee.DateOfBirth,Nominee.Relatio nship FROM Account INNER JOIN Nominee ON Account.NomineeId = Nominee.NomineeId;</pre>		

Question 17:

Time: 2 Min 3 Sec

Marks: 1/ 1

Consider the table Student(StudentId, StudentName, Email, PercentageOfMarks).

Which is the CORRECT query to display the details in the decreasing order (highest to lowest) of PercentageOfMarks and in the alphabetical order (A-Z) of StudentName in case PercentageOfMarks is the same.

Options	Response	Answer
SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentName;	✓	✓
SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY StudentName, PercentageOfMarks DESC;		
SELECT StudentId, StudentName, Email, PercentageOfMarks FROM Student ORDER BY PercentageOfMarks DESC, StudentName DESC;		
SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentName;		

Question 18:**Time: 1 Min 43 Sec****Marks: 0/ 1**

Consider the table Item(ItemCode, ItemName, Price, Category).

Which is the CORRECT SQL query to display minimum price for categories 'A' , 'C'?

Options	Response	Answer
SELECT Category,MIN(Price) FROM Item WHERE Category IN ('A','C') GROUP BY Category;		✓
SELECT Category,MIN(Price) FROM Item WHERE Category IN ('A','C');		
SELECT Category,MIN(Price) FROM Item GROUP BY Price WHERE Category IN ('A','C');		
SELECT Category, MIN(Price) FROM Item GROUP BY Category WHERE Category IN ('A','C');	✓	

Question 19:**Time: 51 Sec****Marks: 0/ 1**

What will be the output of the following Java code?

```
public class ApplicationTester {  
    public static void main(String[] args){  
        String company = new String("Accenture Solutions Pvt Ltd");  
        String[] tokens = company.split(" ");  
        System.out.println(tokens.length);  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
4		✓
1	✓	
0		
3		

Question 20:**Time: 2 Min 7 Sec****Marks: 0/ 1**

What will be the output of the following Java code?

```
class Employee{  
    public void display(){  
        System.out.print(" Employee ");  
    }  
}  
class Trainee extends Employee{  
    public void display(){  
        System.out.print(" Trainee ");  
        super.display(); // Line X  
    }  
}  
public class DynamicBindingTester{  
    public static void main(String[] args) {  
        Employee e=new Trainee(); // Line Y  
        e.display();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation Error at Line Y: Invalid reference type		
Employee Trainee		
Trainee Employee		✓
Compilation Error at Line X: Parent class method invocation should be the first statement inside the method	✓	

Question 21:

Time: 19 Sec

Marks: 1 / 1

Arrange the following stages of Project Lifecycle according to SDLC.

- (1) Planning
- (2) Initiation
- (3) Closing
- (4) Execution

Choose the most appropriate option.

Options	Response	Answer
(1) - (2) - (3) - (4)		
(1) - (2) - (4) - (3)		
(2) - (1) - (3) - (4)		
(2) - (1) - (4) - (3)	✓	✓

Question 22:

Time: 45 Sec

Marks: 1 / 1

Consider the HTML code given below.

```
<html>

<head>

<style>

h2{

color:green;

}

span{

color:blue;

}

</style>

</head>

<body>

<h2>Accenture <span> Bangalore</span> India</h2>

</body>

</html>
```

While displaying output on the browser what will be the color of each word of the text "Accenture Bangalore India"?

Options	Response	Answer
Accenture - Green		
Bangalore - Green		
India - Blue		
Accenture - Green		
Bangalore - Green		
India - Green		
Accenture - Green		
Bangalore - Blue		
India - Blue		
Accenture - Green	✓	✓
Bangalore - Blue		
India - Green		

Question 23:

Time: 2 Min 40 Sec

Marks: 1/ 1

What will be the output of the following Java code?

Vehicle.java

```
public class Vehicle {  
    private float enginePower;  
  
    public Vehicle(float enginePower){  
        this.enginePower = enginePower;  
    }  
    public float getEnginePower(){  
        return enginePower;  
    }  
}
```

FourWheeler.java

```
public class FourWheeler extends Vehicle{  
    private String type;  
    public FourWheeler(){  
        this.type = "LMV";  
    }  
    public FourWheeler(String type, float enginePower){  
        this.type = type;  
    }  
    public String getType(){  
        return type;  
    }  
}
```

InheritanceTester.java

```
public class InheritanceTester {  
    public static void main(String[] args){  
        FourWheeler vehicle = new FourWheeler("HMV", 3.5F);  
        System.out.println(vehicle.getType() + " " + vehicle.getEnginePower());  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
LMV 0.0		
HMV 3.5		
Error in the code: Implicit super constructor Vehicle() is undefined. Must explicitly invoke another constructor	✓	✓
null 3.5		

Question 24:
Time: 1 Min 27 Sec
Marks: 1/ 1

Refer the class declarations given below:

```
class A{ }
```

```
class B extends A{ }
```

```
class C extends B{ }
```

```
class D extends C{ }
```

Identify the INCORRECT statement.

Choose the most appropriate option.

Options	Response	Answer
A a = new D();		
C c=new B();	✓	✓
C c=new C();		
B b=new D();		

Question 25:
Time: 22 Sec
Marks: 1/ 1

Which of the following statement/s is/are TRUE with respect to Community Cloud?

- (1) Exclusively owned and operated by a single organization
- (2) Available for use by a shared community consisting of several organizations

Choose the most appropriate option.

Options	Response	Answer
Neither (1) Nor (2)		
Only (1)		
Only (2)	✓	✓
Both (1) and (2)		

Question 26:

Time: 1 Min 15 Sec

Marks: 0/ 1

What will be the output of the following Java code?

Bank.java

```
public abstract class Bank {  
    private String bankName;  
  
    public Bank(String bankName){  
        this.bankName = bankName;  
    }  
    public abstract void createAccount();  
  
    public String getBankName(){  
        return bankName;  
    }  
}
```

FriendlyBank.java

```
public class FriendlyBank extends Bank {  
    public FriendlyBank (String bankName){  
        super(bankName);  
    }  
    public void createAccount(){  
        System.out.println("Friendly Bank Account");  
    }  
}
```

AbstractClassTester.java

```
public class AbstractClassTester {  
    public static void main(String[] args){  
        Bank bank = new FriendlyBank("Friendly Bank");  
        System.out.print(bank.getBankName() + " ");  
        bank.createAccount();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error: Abstract class Bank cannot have constructor	✓	
Compilation error: Cannot use reference 'bank' of abstract type		
null Friendly Bank Account		
Friendly Bank Friendly Bank Account		✓

Question 27:
Time: 29 Sec
Marks: 1/ 1

Which of the following statement(s) are FALSE regarding Java Architecture?

- (i) Byte code or .class file is platform independent
- (ii) JVM is platform independent

Choose the most appropriate option.

Options	Response	Answer
Both (i) and (ii) are TRUE		
Both (i) and (ii) are FALSE		
Only (ii) is FALSE	✓	✓
Only (i) is FALSE		

Question 28:
Time: 27 Sec
Marks: 1/ 1

You are working on a critical project. Due to some project requirement you are asked to share sensitive information with others. Which among the following actions you will perform?

- a. Don't share any sensitive information with anyone
- b. Label the information as "Restricted" so that no one tries to access the information
- c. Use encryption for secure sharing of information

Choose the most appropriate option.

Options	Response	Answer
Only (c)	✓	✓
Only (b)		
Both (a) and (b)		
Only (a)		

Question 29:

Time: 38 Sec

Marks: 1/ 1

Which of the following statement(s) is/are TRUE?

- 1) JavaScript is case sensitive
- 2) JavaScript can be placed only in head tag
- 3) JavaScript can be placed both in head tag and body tag
- 4) JavaScript is used for client side validations

Options	Response	Answer
1,3 and 4 only	✓	✓
2,3 and 4 only		
1,2,3 and 4		
3 and 4 only		

Question 30:

Time: 1 Min 7 Sec

Marks: 1 / 1

Which of the following is/are VALID interface declaration?

1)

```
interface Itf1{  
    void method1();  
}
```

2)

```
interface Itf2{  
    static void method1();  
    void method2();  
}
```

3)

```
interface Itf3 {  
    final void method1();  
}
```

4)

```
interface Itf4 {  
    int i;  
    void method1();  
}
```

Choose the most appropriate option.

Options	Response	Answer
Both 1 and 4		
Only 1	✓	✓
Both 4 and 3		
Only 1, 2 and 4		

Question 31:

Time: 24 Sec

Marks: 1 / 1

Performance feedback allows which of the following actions?

- (1) To take action to improve your skills and performance so you are effective in your current and future roles
- (2) To have your say about how you think your colleagues are performing

Choose the most appropriate option.

Options	Response	Answer
Only (2)		
Neither (1) Nor (2)		
Both (1) and (2)		
Only (1)	✓	✓

Question 32:

Time: 47 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class MyClass{  
    public MyClass() {  
        System.out.println("Inside constructor");  
    }  
    static {  
        System.out.println("Inside static block 1");  
    }  
    static {  
        System.out.println("Inside static block 2");  
    }  
    public static void main(String[] args) {  
        System.out.println("Inside main method");  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Inside main method		
Inside static block 1 Inside static block 2 Inside main method	✓	✓
Inside main method Inside constructor Inside static block 1 Inside static block 2		
Inside main method Inside static block 1 Inside static block 2		

Question 33:
Time: 1 Min 7 Sec

Marks: 1/ 1

Consider the table **Account(accountId, accountType,balance)**.

Which is the CORRECT SQL statement to display all unique accountTypes from account table?

Options	Response	Answer
SELECT ALL DISTINCT accountType FROM account;		
SELECT DISTINCT ALL accountType FROM account		
SELECT (DISTINCT)accountType FROM account;		
SELECT DISTINCT accountType FROM account;	✓	✓

Question 34:
Time: 2 Min 13 Sec

Marks: 0/ 1

Assume that Table Customer is created in database using the create statement given below.

```
CREATE TABLE Customer(
CustomerId NUMBER(5) CONSTRAINT cust_pk PRIMARY KEY,
CustomerName VARCHAR2(20) CONSTRAINT cust_nn NOT NULL);
```

Choose the appropriate ALTER statement to drop primary key constraint of table Customer.

Options	Response	Answer
ALTER TABLE Customer DROP PRIMARY KEY CONSTRAINT;		
ALTER TABLE Customer DROP PRIMARY KEY CONSTRAINT cust_pk;	✓	
ALTER TABLE Customer DROP CONSTRAINT cust_pk;		✓
ALTER TABLE Customer DROP cust_pk;		

Question 35:

Time: 1 Min 33 Sec

Marks: 1/ 1

Which of the following statement/s is/are VALID array declaration in JavaScript?

(1) var mixed=['ABCD',1234,12.3,"Value","1"]

(2) var arrayVar=[1,2,3,4]

(3) var arrayVar={1,2,3,4}

Options	Response	Answer
Both (1) and (2)	✓	✓
Only (1)		
Both (2) and (3)		
All (1), (2) and (3)		

Question 36:

Time: 1 Min 9 Sec

Marks: 1/ 1

Which is the CORRECT syntax for displaying a text area in a web page? while loading the page the default size of the text area should be 4 rows and 50 characters in each row.

Options	Response	Answer
<textarea rowsize="4" columnsize="50"> </textarea>		
<textarea rowsize="4" chars="50"> </textarea>		
<textarea rows="4" cols="50"> </textarea>	✓	✓
<textarea rowsize="4" columns="50"> </textarea>		

Question 37:

Time: 35 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class Tester{  
    public static void main(String[] args){  
        int array[] = new int[3];  
        for (int i = 0; i < array.length; i++){  
            System.out.print(array[i] + " ");  
        }  
        System.out.print("--Done--");  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
0 0 0 --Done--	✓	✓
--Done--		
Compilation error as array values have not been initialized		
0 --Done--		

Question 38:
Time: 2 Min 18 Sec

Marks: 1/ 1

What will be the output of the following Java code? Assume that all classes are present in the same package.

```
class Account {
    int balance;
    public void createAccount() {
        System.out.println("Account created");
        balance = 500;
    }
}
class SavingsAccount extends Account {
    public void createAccount() {
        System.out.println("Savings account created");
        balance = 1000;
    }
}
public class ApplicationTester{
    public static void main(String[] args) {
        Account account = new SavingsAccount();
        account.createAccount();
        System.out.println("Balance: "+account.balance);
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Account created Balance: null		
Account created Balance: 500		
Savings account created Balance: 1000	✓	✓
Compilation Error: The field Account.balance is not visible		

Question 39:
Time: 43 Sec
Marks: 0/ 1

An end to end testing of application by client users is known as -----

Choose the most appropriate option.

Options	Response	Answer
Product Testing		
Performance Testing	✓	
Unit Testing		
Acceptance Testing		✓

Question 40:
Time: 49 Sec
Marks: 1/ 1

Consider table **Employee(Employeeld, EmployeeName,DeptCode)** .

Which is the CORRECT SQL query to display the Employeeld and EmployeeName of employees who are working in DeptCode 10 OR 20?

(i) SELECT Employeeld,EmployeeName FROM Employee WHERE DeptCode IN (10,20);

(ii) SELECT Employeeld,EmployeeName FROM Employee WHERE DeptCode = 10 OR DeptCode = 20;

Options	Response	Answer
Only (ii)		
Only (i)		
Neither (i) nor (ii)		
Both (i) and (ii)	✓	✓

Question 41:

Time: 1 Min 21 Sec

Marks: 0/1

Refer the Incomplete JavaScript code given below:

```
<script>

var gVar='This is global value';

function aFun(){

    var gVar='Local Data1';

    //Line1

}

</script>
```

<button onclick='aFun()'>Click</button>

Identify the CORRECT option which if placed at Line1 will display the alert message 'This is global value'

Options	Response	Answer
alert(gVar)		
alert(global.gVar)	✓	
alert(document.gVar)		
alert(window.gVar)		✓

Question 42:

Time: 27 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class SwitchCaseTester{  
    public static void main(String[] args) {  
        int number = 1;  
        switch(number) {  
            case 1: System.out.println("One");  
            case 2: System.out.println("Two"); break;  
            case 3: System.out.println("Three"); break;  
            default: System.out.println("Not a number");  
        }  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
One		
Two		
Three		
One		
One		
Two		
Three		
Not a number		
One	✓	✓
Two		

Question 43:

Time: 1 Min 3 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
1 package mypackage1;
2
3 public class Parent {
4     public Parent(){
5         System.out.print("1 ");
6     }
7     protected void parentMethod(){
8         System.out.println(" 3 ");
9     }
10}
11
12 package mypackage2;
13 import mypackage1.Parent;
14
15 public class Child extends Parent{
16     public Child(){
17         System.out.println("2");
18     }
19}
20
21
22 package mypackage2;
23
24 public class ApplicationTester{
25     public static void main(String[] args){
26         Child child = new Child();
27         child.parentMethod();
28     }
29}
30
```

Options	Response	Answer
1 2		
Compilation error at Line 7: 'parentMethod' cannot be 'protected'		
Compilation error at Line 27: The method parentMethod() from the type Parent is not visible	✓	✓
1 2 3		

Question 44:

Time: 17 Sec

Marks: 1/1

In HTML, which is the CORRECT character entity to display ">" symbol?

Options	Response	Answer
gt;		
#gt;		
>	✓	✓
&#gt;		

Question 45:

Time: 20 Sec

Marks: 1/ 1

What are the benefits of ADM?

- (1) Project standardization and customization
- (2) Common project management framework

Choose the most appropriate option.

Options	Response	Answer
Both (1) and (2)	✓	✓
Neither (1) Nor (2)		
Only (1)		
Only (2)		

Question 46:

Time: 5 Min 35 Sec

Marks: 1/ 1

Consider the tables given below.

Customer(customerId, customerName)

Account(accountId, accountType, customerId)

Transaction(transactionId, accountId, transactionType, amount)

Which is the CORRECT SQL statement to retrieve customer Id and customer name of all customers who has made transaction in their account?

Options	Response	Answer
<pre>SELECT DISTINCT c.customerid, c.customername FROM customer c SELF JOIN account a ON c.customerid=a.customerid SELF JOIN transaction t ON t.accountid=a.accountid;</pre>		
<pre>SELECT DISTINCT c.customerid, c.customername FROM customer c INNER JOIN transaction t INNER JOIN account a ON t.accountid=a.accountid and c.customerid=a.customerid;</pre>		
<pre>SELECT DISTINCT c.customerid, c.customername FROM customer c INNER JOIN account a ON c.customerid=a.customerid INNER JOIN transaction t ON t.accountid=a.accountid;</pre>	✓	✓
<pre>SELECT DISTINCT c.customerid, c.customername FROM customer c INNER JOIN account a INNER JOIN transaction t ON t.accountid=a.accountid and a.customerid=c.customerid;</pre>		

Question 47:

Time: 32 Sec

Marks: 0/ 1

Which is the CORRECT statement to remove all records from Account table?

Options	Response	Answer
DELETE ALL FROM Account;		
DELETE FROM TABLE Account;		
DELETE FROM Account;		✓
DELETE * FROM Account;	✓	

Question 48:**Time: 2 Min 52 Sec****Marks: 0/ 1**

Consider table **Project**(projectId, projectType, budget).

Which is the CORRECT SQL statement to display projectId, projectType and budget of project which is having minimum budget in each project type?

Options	Response	Answer
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1 WHERE p1.budget IN(SELECT MIN(p2.budget) FROM project p2);</pre>		
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1 WHERE MIN(p1.budget)IN(SELECT MIN(p2.budget) FROM project p2 WHERE p1.projectType=p2.projectType);</pre>	✓	
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1 WHERE p1.budget IN(SELECT MIN(p2.budget) FROM project p2 WHERE p1.budget=p2.budget);</pre>		
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1 WHERE p1.budget IN(SELECT MIN(p2.budget) FROM project p2 WHERE p1.projectType=p2.projectType);</pre>		✓

Question 49:

Time: 1 Min 50 Sec

Marks: 1/ 1

Consider the Java code given below. When the code is executed, how many times "1" will be printed?

```
public class Tester{  
    public static void main(String[] args){  
        for(int i=0; i < 5; i++){  
            if(i > 2){  
                continue;  
            }  
            System.out.print(" 1 ");  
        }  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
6 times		
5 times		
2 times		
3 times	✓	✓

Question 50:

Time: 1 Min 11 Sec

Marks: 0/ 1

Consider the table Customer given below.

CustomerId	CustomerName
101	John
102	Tom
103	twinkle
104	HELEN

What would be the output of the following SQL statement?

```
SELECT CustomerName FROM Customer
```

```
WHERE CustomerName LIKE 'T%' OR CustomerName LIKE '%N';
```

Options	Response	Answer
Tom		✓
HELEN		
Tom		
twinkle		
Helen		
John	✓	
Tom		
HELEN		
twinkle		
John		
Tom		
HELEN		

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Test Taken on: February 28, 2019 03:22:48 PM IST

Finish State: Normal

Registration Details

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Overall Summary

MARKS SCORED

	Score	Percentile	Percentage
Section #1	47 / 50	98	94
Total	47 / 50	98	94

Percentile is among 2272 candidate(s) who've taken this test.

SUMMARY OF ATTEMPTS

3 Incorrect
(Scored 0/3)



47 Correct
(Scored 47/47)

TIME TAKEN

1	19
hr	min

Available time: 1 hr 20 min

TOTAL QUESTIONS

50

Question-wise Details

Section #1

Question 1:

Time: 2 Min 15 Sec

Marks: 1/ 1

Consider the Java code given below:

```
public class Student{  
    //Attributes of Student class  
    //getter and setter methods  
}  
  
public class ApplicationTester{  
    public static void main(String[] args){  
        Student stu1=new Student();  
        Student stu2=new Student(12345,"Rama");  
        Student stu3;  
        stu3=stu1;  
    }  
}
```

With respect to the above code, how many Student objects and references are created in main method?

Choose the most appropriate option.

Options	Response	Answer
2 Objects, 3 References	✓	✓
2 Objects, 2 References		
3 Objects, 3 References		
3 Objects , 2 References		

Question 2:

Time: 49 Sec

Marks: 1/ 1

Refer the JavaScript code given below.

```
<html>

<head>

<script>

function aFun(){

var num1=111;

var num2="111";

alert(num1==num2) //Line1

alert(num1===num2) //Line2

}

</script>

</head>

<button onclick='aFun()'>Click</button>

</html>
```

When the above code is executed, what will be the output produced by Line1 and Line2?

Options	Response	Answer
Output from Line1: true, Output from Line2: false	✓	✓
Output from Line1: false, Output from Line2: true		
JavaScript will show a compilation error as "===" is not defined		
Output from Line1: true, Output from Line2: true		

Question 3:

Time: 1 Min 24 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
interface A{
    void display(); // Line X
}

class B implements A{
    void display(){ // Line Y
        System.out.println("B");
    }
}

public class Demo{
    public static void main(String[] args) {
        A a=new B(); // Line Z
        a.display();
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error at Line X: missing 'abstract' keyword		
Compilation error at Line Z: Invalid reference type		
Compilation error at Line Y: cannot reduce the visibility of the method	✓	✓
B		

Question 4:

Time: 54 Sec

Marks: 1/1

Refer the class declarations given below:

```
class A{ }
```

```
class B extends A{ }
```

```
class C extends B{ }
```

```
class D extends C{ }
```

Identify the INCORRECT statement.

Choose the most appropriate option.

Options	Response	Answer
B b=new D();		
C c=new C();		
A a = new D();		
C c=new B();	✓	✓

Question 5:

Time: 2 Min 56 Sec

Marks: 1/1

Refer the code given below:

```
public class Vehicle {  
    private int vehicleId;  
    private String vehicleName;  
    public Vehicle(int vehicleId, String vehicleName) {  
        this.vehicleId = vehicleId;  
        this.vehicleName = vehicleName;  
    }  
    // Assume Getters and Setters are coded  
}  
  
public class Car extends Vehicle {  
    private String carModel;  
    private double average;  
    //Line1  
    // Assume getters and Setters are already coded...  
}
```

Choose a valid Constructor implementation to be inserted at Line1 to make the above code compile successfully

Choose the most appropriate option.

Options	Response	Answer
<pre>public void Car(int vehicleId, String vehicleName, String carModel,double average) { super(vehicleId, vehicleName); //Java code to initialize carModel and average }</pre>		
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { super(vehicleId, vehicleName); //Java code to initialize carModel and average }</pre>	✓	✓
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { this.carModel = carModel; this.average = average; }</pre>		
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) { //Java code to initialize carModel and average super(vehicleId, vehicleName); }</pre>		

Question 6:

Time: 1 Min 8 Sec

Marks: 1/ 1

Which of the following statement/s is/are VALID array declaration in JavaScript?

(1) var mixed=['ABCD',1234,12.3,"Value","1"]

(2) var arrayVar=[1,2,3,4]

(3) var arrayVar={1,2,3,4}

Options	Response	Answer
All (1), (2) and (3)		
Only (1)		
Both (2) and (3)		
Both (1) and (2)	✓	✓

Question 7:

Time: 1 Min 59 Sec

Marks: 0 / 1

What will be the output of the following Java code?

```
public class IfTester{
    public static void main(String[] args) {
        int number1 = 10;
        if(number1 == 10) {
            int number2 = 20;
        } else {
            int number2 = 30;
        }
        System.out.println("Number2 :" +number2);
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Number2 :20	✓	
Number2 :0		
Number2 :30		
Compilation Error: number2 cannot be resolved to a variable		✓

Question 8:

Time: 48 Sec

Marks: 1 / 1

There is a requirement to create a web page with a text box. The page should be loaded with a value "Hello" in the text box. Which is the CORRECT html code to meet the above requirement?

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Options	Response	Answer
<html> <input type="text" value="Hello"/> </html>	✓	✓
<html> <input type="text" name="Hello"/> </html>		
<html> <input type="text" onLoad="Hello"/> </html>		
<html> <input type="text" id="Hello"/> </html>		

Question 9:

Time: 2 Min 10 Sec

Marks: 1/ 1

Refer the code given below:

```
Employee emp = new Employee();
Employee emp1 = new Employee();
Employee emp2 = emp;
Employee emp3;
emp=null;
emp3=emp;
//Line1
```

Assume that class Employee is a valid Java class.

How many objects are eligible for garbage collection at Line1?

Choose the most appropriate option.

Options	Response	Answer
3		
2		
0	✓	✓
1		

Question 10:
Time: 1 Min 23 Sec
Marks: 1 / 1

Which of the following statement(s) is/are TRUE?

- 1) JavaScript is case sensitive
- 2) JavaScript can be placed only in head tag
- 3) JavaScript can be placed both in head tag and body tag
- 4) JavaScript is used for client side validations

Options	Response	Answer
1,2,3 and 4		
1,3 and 4 only	✓	✓
2,3 and 4 only		
3 and 4 only		

Question 11:
Time: 32 Sec
Marks: 1 / 1

Arrange the following stages of Project Lifecycle according to SDLC.

- (1) Planning
- (2) Initiation
- (3) Closing
- (4) Execution

Choose the most appropriate option.

Options	Response	Answer
(2) - (1) - (4) - (3)	✓	✓
(2) - (1) - (3) - (4)		
(1) - (2) - (4) - (3)		
(1) - (2) - (3) - (4)		

Question 12:

Time: 47 Sec

Marks: 1 / 1

Refer the HTML code given below.

```
<html>  
<body>  
<table border="1">  
<tr><th>A</th> <th colspan="2">B</th>  
<tr> <th rowspan="3">C</th> <th>D</th> <th>E</th> </tr>  
<tr> <th>A</th> <th rowspan="2">B</th></tr>  
<tr> <th>D</th>  
</table>  
</body>  
</html>
```

How many cells will be displayed when the page is displayed on the browser?

Options	Response	Answer
9		
8	✓	✓
10		
7		

Question 13:

Time: 1 Min 36 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class ApplicationTester {  
    public static void main(String[] args) {  
        char letterArray[]={‘a’,‘A’,‘h’,‘h’,‘m’,‘m’};  
        for(int index=0;index<letterArray.length;index++){  
            if(letterArray[index] == letterArray[index+1]){  
                break;  
            }  
            System.out.print(index + " ");  
        }  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
0 1 2 3		
0 1 2		
0 1 2 3 4		
0 1	✓	✓

Question 14:

Time: 47 Sec

Marks: 1/ 1

Which is the CORRECT SQL statement to drop the column "Commission" from an existing table "Employee"?

Options	Response	Answer
ALTER TABLE Employee DELETE Column Commission;		
ALTER TABLE Employee REMOVE COLUMN Commission;		
ALTER TABLE Employee TRUNCATE Column Commission;		
ALTER TABLE Employee DROP Column Commission;	✓	✓

Question 15:

Time: 1 Min 18 Sec

Marks: 1 / 1

Assume that table **Customer** has the following records.

CUSTOMERID	CUSTOMERNAME
10	James
11	ami
12	JAMES

What would be the output of the SQL statement given below.

SELECT customername FROM customer WHERE customername LIKE '_am%';

Options	Response	Answer
James		
ami		
James		
ami		
JAMES	✓	✓

Question 16:

Time: 33 Sec

Marks: 1 / 1

Assume that below code is present in the head tag of a HTML page.

```
<style>
.myclass{
    background-color: lightgrey;
    color:blue;
}
</style>
```

Which is the CORRECT way of using this style?

Options	Response	Answer
<h1 class="myclass">Welcome to My Homepage</h1>	✓	✓
<h1 id="myclass">Welcome to My Homepage</h1>		
<h1 class=".myclass">Welcome to My Homepage</h1>		
<h1 style="myclass">Welcome to My Homepage</h1>		

Question 17:

Time: 41 Sec

Marks: 1/ 1

Assume that table **Event** is having the following records. Identify the correct query to retrieve all event records which has got a stage number.

EVENTID	EVENTNAME	STAGENUMBER
E1	Drama	
E2	Dance	2
E3	Speech	1

Options	Response	Answer
SELECT * FROM Event WHERE StageNumber IS NOT EQUAL TO NULL;		
SELECT * FROM Event WHERE StageNumber <> NULL		
SELECT * FROM Event WHERE StageNumber IS NOT NULL	✓	✓
SELECT * FROM Event WHERE StageNumber != NULL		

Question 18:

Time: 3 Min 32 Sec

Marks: 1/ 1

What will be the output of the following Java code?

Policy.java

```
public class Policy {  
    private void readPolicy(){  
        System.out.println("Policy - readPolicy()");  
    }  
    public void writePolicy(){  
        System.out.println("Policy - writePolicy()");  
    }  
}
```

MoneyBackPolicy.java

```
public class MoneyBackPolicy extends Policy{  
    public void readPolicy(){  
        System.out.println("MoneyBackPolicy - readPolicy()");  
    }  
    public void writePolicy(){  
        System.out.println("MoneyBackPolicy - writePolicy()");  
    }  
}
```

DynamicBindingTester.java

```
public class DynamicBindingTester {  
    public static void main(String[] args){  
        Policy policy = new MoneyBackPolicy();  
        policy.readPolicy();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
MoneyBackPolicy - readPolicy()		
There is no error in the code, but the code will not display any output.		
Compilation error: The method readPolicy() from the type Policy is not visible	✓	✓
Policy - readPolicy()		

Question 19:

Time: 22 Sec

Marks: 1 / 1

Consider the table **Account(accountId, accountType,balance)**.

Which is the CORRECT SQL statement to display all unique accountTypes from account table?

Options	Response	Answer
SELECT DISTINCT ALL accountType FROM account		
SELECT (DISTINCT)accountType FROM account;		
SELECT ALL DISTINCT accountType FROM account;		
SELECT DISTINCT accountType FROM account;	✓	✓

Question 20:

Time: 4 Min 6 Sec

Marks: 1 / 1

Consider the table **Salesman(SalesmanId, SalesmanName, TotalSales)**.

Which is the CORRECT SQL query to display details in the decreasing order (highest to lowest) of TotalSales and in the decreasing order of SalesmanId in case TotalSales is the same.

Options	Response	Answer
<pre>SELECT SalesmanId, SalesmanName, TotalSales FROM Salesman ORDER BY TotalSales, SalesmanId;</pre>		
<pre>SELECT SalesmanId, SalesmanName, TotalSales FROM Salesman ORDER BY TotalSales, SalesmanId DESC;</pre>		
<pre>SELECT SalesmanId, SalesmanName, TotalSales FROM Salesman ORDER BY TotalSales DESC, SalesmanId DESC;</pre>	✓	✓
<pre>SELECT SalesmanId, SalesmanName, TotalSales FROM Salesman ORDER BY TotalSales DESC, SalesmanId;</pre>		

Question 21:

Time: 2 Min 7 Sec

Marks: 1/ 1

Consider the table **Course** (CourseCode, CourseName, DurationInDays).

The following constraints to be enforced.

1. CourseCode is mandatory and also unique.

2. CourseCode helps to identify the courses.

3. CourseName cannot be duplicated.

4. DurationInDays Should be between 1 and 5;

Identify the CORRECT SQL statement to create the Course table with the above mentioned constraints:

Options	Response	Answer
<pre>CREATE TABLE Course(CourseCode Varchar2(10) CONSTRAINT Course_Unique1 UNIQUE, CourseName Varchar2(50) CONSTRAINT Course_Underline2 UNIQUE, DurationInDays Number(1) CONSTRAINT Course_Check CHECK (DurationInDays BETWEEN 1 AND 5));</pre>		
<pre>CREATE TABLE Course(CourseCode Varchar2(10) CONSTRAINT Course_PKey PRIMARY KEY, CourseName Varchar2(50) CONSTRAINT Course_Nnull NOT NULL, DurationInDays Number(1) CONSTRAINT Course_Check CHECK (DurationInDays BETWEEN 1 AND 5));</pre>		

<pre>CREATE TABLE Course(CourseCode Varchar2(10) CONSTRAINT Course_NNull NOT NULL, CourseName Varchar2(50) CONSTRAINT Course_Unique UNIQUE, DurationInDays Number(1) CONSTRAINT Course_Check CHECK (DurationInDays BETWEEN 1 AND 5));</pre>		
<pre>CREATE TABLE Course(CourseCode Varchar2(10) CONSTRAINT Course_Pkey PRIMARY KEY, CourseName Varchar2(50) CONSTRAINT Course_Unique UNIQUE, DurationInDays Number(1) CONSTRAINT Course_Check CHECK (DurationInDays BETWEEN 1 AND 5));</pre>	✓	✓

Question 22:
Time: 26 Sec
Marks: 1/ 1

Assume that my_style.css is an existing and a valid css file. Which is the CORRECT way to refer this external style sheet?

Options	Response	Answer
<link> href= "my_style.css" </link>		
<stylesheet type="text/css" href= "my_style.css" />		
<link rel="stylesheet" type="text/css" href= "my_style.css" />	✓	✓
<style rel="stylesheet" type="text/css" href= "my_style.css" />		

Question 23:
Time: 1 Min 46 Sec
Marks: 1/ 1

Consider table **Employee**(EmpId, EmpName,salary,deptNo).

WHICH is the CORRECT SQL statement to list employees whose salary is more than their department's average salary? The result should be in ascending order of department number.

Options	Response	Answer
<pre>SELECT e1.empId, e1.empName, e1.salary,e1.deptNo FROM employee e1 WHERE salary > (SELECT avg(e2.salary) FROM employee e2) ORDER BY e1.deptNo;</pre>		
<pre>SELECT e1.empId, e1.empName, e1.salary,e1.deptNo FROM employee e1 WHERE salary > (SELECT avg(e2.salary) FROM employee e2 WHERE e2.deptNo = e1.deptNo) ORDER BY e1.deptNo;</pre>	✓	✓
<pre>SELECT e1.empId, e1.empName, e1.salary,e1.deptNo FROM employee e1 WHERE avg(salary) > (SELECT e2.salary FROM employee e2 WHERE e2.deptNo = e1.deptNo) ORDER BY e1.deptNo;</pre>		
<pre>SELECT e1.empId, e1.empName, e1.salary,e1.deptNo FROM employee e1 ORDER BY e1.deptNo WHERE salary > (SELECT avg(e2.salary) FROM employee e2 WHERE e2.deptNo = e1.deptNo);</pre>		

Question 24:

Time: 1 Min 40 Sec

Marks: 1 / 1

Refer the code given below:

```
String str1="Hello";
String str2=" World!";
//Line1
System.out.println(str2);
```

Which of the following statement/s if placed at Line1 independently will give the output as "Hello World!"?

- (1)str2=str1.concat(str2);
- (2)str1.concat(str2);
- (3)str1+str2
- (4)str2=str1+str2;

Choose the most appropriate option.

Options	Response	Answer
Both 1 and 3		
All 1, 2, 3 and 4		
Both 1 and 4	✓	✓
Both 2 and 4		

Question 25:

Time: 1 Min 8 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
public class ApplicationTester {  
    public static void main(String[] args){  
        int[] array = new int[3];  
        System.out.print(array.length + " ");  
        System.out.print(array[0] + " " + array[1] + " " + array[2] + " ");  
        array[0] = 10;  
        array[1] = 20;  
        System.out.println(array.length);  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
3 0 0 0 3	✓	✓
3 0 0 0 0		
3 0 0 0 2		
0 0 0 0 3		

Question 26:

Time: 1 Min 20 Sec

Marks: 1/ 1

Which of the following options are the characteristics of Agile development?

- (a) It delivers functional bits of the application as soon as they are ready
- (b) It helps teams respond to unpredictability through incremental, iterative work

Choose the most appropriate option.

Options	Response	Answer
Both (a) and (b)	✓	✓
Neither (a) Nor (b)		
Only (b)		
Only (a)		

Question 27:

Time: 6 Min 44 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
1 package mypackage1;
2
3 public class Parent {
4     protected Parent(){
5         System.out.print("1 ");
6     }
7 }
8
9 package mypackage2;
10 import mypackage1.Parent;
11
12 public class Child extends Parent{
13     protected Child(){
14         System.out.println("2");
15     }
16 }
17
18 package mypackage2;
19
20 public class ApplicationTester {
21     public static void main(String[] args){
22         Child child = new Child();
23     }
24 }
25
```

Options	Response	Answer
2		
Compilation error at Line 4: 'Parent' constructor cannot be 'protected'		
1 2	✓	✓
Compilation error at Line 13: 'Child' constructor cannot be 'protected'		

Question 28:

Time: 4 Min 21 Sec

Marks: 1 / 1

Consider the table Project(projectId, projectType,budget).

Which is the CORRECT SQL statement to retrieve the count of projects which is of type 'FIN' or' SALE'? It should count for 'FIN' and 'SALE' separately.

Options	Response	Answer
SELECT projectType,COUNT(projectId) FROM project GROUP BY projectId HAVING projectType IN('FIN','SALE');		
SELECT projectType,COUNT(projectId) FROM project WHERE projectType IN('FIN','SALE') GROUP BY projectType;	✓	✓
SELECT projectType,COUNT(projectId) FROM project WHERE projectType IN('FIN','SALE') GROUP BY projectId;		
SELECT projectType,COUNT(projectId) FROM project WHERE projectType IN('FIN','SALE');		

Question 29:

Time: 24 Sec

Marks: 1/ 1

Which of the following statement/s is/are TRUE with respect to Community Cloud?

- (1) Exclusively owned and operated by a single organization
- (2) Available for use by a shared community consisting of several organizations

Choose the most appropriate option.

Options	Response	Answer
Both (1) and (2)		
Neither (1) Nor (2)		
Only (1)		
Only (2)	✓	✓

Question 30:

Time: 3 Min 14 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
1 public abstract class Bank {  
2     protected double amount;  
3  
4     public Bank(){  
5         this.amount = 1000.0;  
6     }  
7     public abstract void createAccount();  
8     public double getAmount(){  
9         return this.amount;  
10    }  
11 }  
12  
13 public class MyBank extends Bank{  
14     public MyBank(){  
15         this.amount = 2000.0;  
16     }  
17     public void createAccount(){  
18         System.out.println("Account created");  
19     }  
20 }  
21  
22 public class ApplicationTester {  
23     public static void main(String[] args){  
24         Bank b = new MyBank();  
25         b.createAccount();  
26         System.out.println(b.getAmount());  
27     }  
28 }  
29 }
```

Options	Response	Answer
Compilation error at Line 4: Cannot have constructor in abstract class 'Bank'		
Compilation error at Line 24: Cannot have a reference of type 'Bank'		
Account created		
1000.0		
Account created	✓	✓
2000.0		

Question 31:

Time: 3 Min 11 Sec

Marks: 1/ 1

Consider the below tables.

Actor(actorId,actorName) - actorId is primary key

Event(eventId,eventName) - eventId is primary key

Registration(registrationId,actorId,eventId) - actorId and eventId are foreign keys

Which is the CORRECT SQL statement to retrieve actorId, actorName and eventId for all actors who has registered for an event. If any actor is not registered for any event, still the actor details should be displayed.

Options	Response	Answer
<pre>SELECT a.actorId,a.actorName,r.eventId FROM Actor a RIGHT OUTER JOIN Registration r ON a.actorId=r.actorId;</pre>		
<pre>SELECT a.actorId,a.actorName,r.eventId FROM Actor a CROSS JOIN Registration r ON a.actorId=r.actorId;</pre>		
<pre>SELECT a.actorId,a.actorName,r.eventId FROM Actor a INNER JOIN Registration r ON a.actorId=r.actorId;</pre>		
<pre>SELECT a.actorId,a.actorName,r.eventId FROM Actor a LEFT OUTER JOIN Registration r ON a.actorId=r.actorId;</pre>	✓	✓

Question 32:

Time: 2 Min 30 Sec

Marks: 1 / 1

Consider the tables:

Book(ISBN, Title, Author, Price, Publisher) - ISBN is primary key.

BookTransaction(TransactionId, ISBN, BorrowerId, DateOfTransaction, DateOfReturn) - ISBN is foreign key referring to Book table.

Which is the CORRECT SQL statement to display the details of books that were never borrowed by anyone?

Options	Response	Answer
<pre>SELECT ISBN,Title,Author,Price,Publisher FROM BookTransaction</pre>		
<pre>WHERE ISBN NOT IN (SELECT ISBN FROM Book);</pre>		
<pre>SELECT ISBN,Title,Author,Price,Publisher FROM Book</pre>		
<pre>WHERE ISBN IN (SELECT ISBN FROM BookTransaction);</pre>		
<pre>SELECT ISBN,Title,Author,Price,Publisher FROM Book</pre>	✓	✓
<pre>WHERE ISBN NOT IN (SELECT ISBN FROM BookTransaction);</pre>		
<pre>SELECT ISBN,Title,Author,Price,Publisher FROM Book</pre>		
<pre>WHERE ISBN NOT IN (SELECT ISBN FROM Book);</pre>		

Question 33:

Time: 52 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
public class ApplicationTester {  
    public static void main(String[] args){  
        int i;  
        for(i=10; i<=10; i++){  
            System.out.print(i + " ");  
        }  
        System.out.println(i);  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
10		
10 11	✓	✓
10 10		
11		

Question 34:

Time: 27 Sec

Marks: 1 / 1

Which of the following statement(s) are TRUE regarding Java architecture?

- (i) Byte code or .class file is platform independent
- (ii) JVM is platform independent

Choose the most appropriate option.

Options	Response	Answer
Only (i) is TRUE	✓	✓
Both (i) and (ii) are TRUE		
Only (ii) is TRUE		
Neither (i) Nor (ii) are TRUE		

Question 35:

Time: 58 Sec

Marks: 1/ 1

What will be the output of the following Java code?

Trainee.java

```
public class Trainee {  
    private static int traineeCount;  
    static{  
        traineeCount = 0;  
    }  
    public Trainee(){  
        traineeCount++;  
    }  
    public static void getTraineeCount(){  
        System.out.println(traineeCount);  
    }  
}
```

TraineeTester.java

```
public class TraineeTester {  
    public static void main(String[] args){  
        Trainee t1 = new Trainee();  
        Trainee t2 = new Trainee();  
        Trainee t3 = new Trainee();  
        Trainee.getTraineeCount();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
2		
3	✓	✓
1		
0		

Question 36:

Time: 52 Sec

Marks: 1 / 1

Assume that table **Player** has the following records.

PlayerId	Salary	PlayerAverage
P1	25000	75.5
P2	20000	70
P3	22000	70.5

How many row(s) will be deleted after executing the SQL statement given below?

DELETE FROM Player WHERE Salary>20000 OR PlayerAverage<=70;

Options	Response	Answer
3	✓	✓
2		
1		
0		

Question 37:

Time: 13 Sec

Marks: 1 / 1

Performance feedback allows which of the following actions?

- (1) To take action to improve your skills and performance so you are effective in your current and future roles
- (2) To have your say about how you think your colleagues are performing

Choose the most appropriate option.

Options	Response	Answer
Only (2)		
Both (1) and (2)		
Only (1)	✓	✓
Neither (1) Nor (2)		

Question 38:

Time: 29 Sec

Marks: 1 / 1

Refer the code given below:

```
class Employee{  
  
    public void printDetails(){  
  
        Printer printer = new Printer();  
  
        printer.print("Test Print");  
  
    }  
  
}
```

```
class Printer{  
  
    public void print(String str){  
  
        System.out.println("Priting Details: "+str);  
  
    }  
  
}
```

Choose from below a valid option that represents the relationship in between the classes Employee and Printer

Choose the most appropriate option.

Options	Response	Answer
Composition		
Specialization		
Aggregation	✓	✓
Generalization		

Question 39:

Time: 33 Sec

Marks: 1 / 1

Which among the following are DevOps Principle?

- (i) Automate Everything
- (ii) Test early and often
- (iii) Strong source control

Choose the most appropriate option.

Options	Response	Answer
Only (ii) and (iii)		
All (i), (ii) and (iii)	✓	✓
Only (i) and (iii)		
Only (i) and (ii)		

Question 40:

Time: 1 Min 46 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
class Person {  
    public void work() {  
        System.out.println("Person Work's");  
    }  
}  
  
public class Employee extends Person {  
    public void work() {  
        System.out.println("Employee Work's");  
    }  
    public static void main(String[] args) {  
        Employee employee=new Employee();  
        Person p=employee;  
        p.work();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation Error : work method in Employee cannot have same signature as that of it's parent Person		
Person Work's		
Person Work's Employee Work's		
Employee Work's	✓	✓

Question 41:
Time: 15 Sec
Marks: 1/ 1

An end to end testing of application by client users is known as -----

Choose the most appropriate option.

Options	Response	Answer
Acceptance Testing	✓	✓
Product Testing		
Performance Testing		
Unit Testing		

Question 42:
Time: 3 Min 41 Sec
Marks: 0/ 1

Consider the tables given below.

Customer(customerId, customerName)

Account(accountId, accountType, customerId)

Transaction(transactionId, accountId, transactionType, amount)

Which is the CORRECT SQL statement to retrieve customer Id and customer name of all customers who has made transaction in their account?

Options	Response	Answer
<pre>SELECT DISTINCT c.customerid, c.customername FROM customer c INNER JOIN account a ON c.customerid=a.customerid INNER JOIN transaction t ON t.accountid=a.accountid;</pre>		✓
<pre>SELECT DISTINCT c.customerid, c.customername FROM customer c INNER JOIN transaction t INNER JOIN account a ON t.accountid=a.accountid and c.customerid=a.customerid;</pre>	✓	
<pre>SELECT DISTINCT c.customerid, c.customername FROM customer c INNER JOIN account a INNER JOIN transaction t ON t.accountid=a.accountid and a.customerid=c.customerid;</pre>		
<pre>SELECT DISTINCT c.customerid, c.customername FROM customer c SELF JOIN account a ON c.customerid=a.customerid SELF JOIN transaction t ON t.accountid=a.accountid;</pre>		

Question 43:

Time: 13 Sec

Marks: 1/ 1

In HTML, which tag is used to display an ordered list?

Options	Response	Answer
		
	✓	✓
<u>		
<dl>		

Question 44:

Time: 1 Min 12 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class MyClass {  
    public static void main(String args[]) {  
        int i=0;  
        while(i++>0) {  
            System.out.println("the value of i is "+i);  
        }  
        System.out.println("End of Program");  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
the value of i is 0 End of Program		
End of Program	✓	✓
The code enters into an infinite loop which prints the value of i from 1 and keep on incrementing it by 1		
the value of i is 1 End of Program		

Question 45:

Time: 1 Min 54 Sec

Marks: 1/ 1

What will be the output of the following Java code?

MyInterface1.java

```
public interface MyInterface1 {  
    public void method1();  
}
```

MyInterface2.java

```
public interface MyInterface2 {  
    void method2();  
}
```

MyClass.java

```
public class MyClass implements MyInterface1, MyInterface2{  
    public void method1(){  
        System.out.print ("1 ");  
    }  
    void method2(){  
        System.out.print ("2");  
    }  
}
```

InterfaceTester.java

```
public class InterfaceTester {  
    public static void main(String[] args){  
        MyClass reference = new MyClass();  
        reference.method1();  
        reference.method2();  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error: MyClass cannot implement more than one interface		
Compilation error: method2 in MyInterface2 must be defined with public access specifier		
Compilation error: Cannot reduce the visibility of the inherited method from MyInterface2	✓	✓
1 2		

Question 46:

Time: 14 Sec

Marks: 0/ 1

How does ADM ensure smooth transfer of deliverables from one team or one stage to another?

- a. By using ADM Estimators
- b. By using ADM Metrics
- c. By using Transition Points

Choose the most appropriate option.

Options	Response	Answer
Only (a)		
All (a), (b) and (c)	✓	
Only (b)		
Only (c)		✓

Question 47:

Time: 51 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class DoWhileTester{  
    public static void main(String[] args) {  
        int number = 26;  
        do {  
            if (number % 2 == 0) {  
                System.out.println(number);  
            }  
            number++;  
        } while (number < 25);  
    }  
}
```

Choose the most appropriate option.

Options	Response	Answer
0		
26	✓	✓
24		
25		

Question 48:

Time: 2 Min 53 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class OverloadTester{
    public static void main(String[] args) {
        new OverloadSample().calculate(10, 20);
    }

    public void calculate(int num1, int num2) {
        System.out.println("Inside calculate integer");
    }

    public void calculate(long num1, long num2) {
        System.out.println("Inside calculate long");
    }

    public void calculate(float num1, float num2) {
        System.out.println("Inside calculate float");
    }
}
```

Choose the most appropriate option.

Options	Response	Answer
Inside calculate long		
Inside calculate float		
Compilation Error: Ambiguous call to calculate() method in type OverloadTester		
Inside calculate integer	✓	✓

Question 49:

Time: 1 Min 46 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
1 package mypackage1;
2
3 public class Parent {
4     Parent(){
5         System.out.print("1 ");
6     }
7 }
8
9 package mypackage2;
10 import mypackage1.Parent;
11
12 public class Child extends Parent{
13     Child(){
14         System.out.println("2");
15     }
16 }
17
18 package mypackage2;
19
20 public class ApplicationTester{
21     public static void main(String[] args){
22         Child child = new Child();
23     }
24 }
25
```

Options	Response	Answer
Compilation error at Line 13: Implicit super constructor Parent() is not visible. Must explicitly invoke another constructor	✓	✓
2		
2 1		
1 2		

Question 50:

Time: 1 Min 35 Sec

Marks: 1/1

You are working on a critical project. Due to some project requirement you are asked to share sensitive information with others. Which among the following actions you will perform?

- a. Don't share any sensitive information with anyone
- b. Label the information as "Restricted" so that no one tries to access the information
- c. Use encryption for secure sharing of information

Choose the most appropriate option.

Options	Response	Answer
Both (a) and (b)		
Only (c)	✓	✓
Only (b)		
Only (a)		



Avengers Mock 3 MCQ / MCQ / Quiz

Started on Friday, 22 November 2019, 2:00 PM

State Finished

Completed on Friday, 22 November 2019, 3:10 PM

Time taken 1 hour 10 mins

Grade 30.50 out of 50.00 (61%)

Question 1

Correct

Mark 1.00 out of
1.00



What is the approach of OO ?

Select one:

- a. bundle data only for security
- b. bundle method seperated from data
- c. bundle data seperated from method
- d. bundle data and method



The correct answer is: bundle data and method

Correct

Mark 1.00 out of
1.00

How do we change the state of an object ?

Select one:

- a. Using object's behavior
- b. Using object's property
- c. Using Object's default methods
- d. Using class name

The correct answer is: Using object's behavior



Correct

Mark 1.00 out of
1.00

Select the benefits of OOP ?

Select one or more:

a. Ease of design



b. Resuability



c. code deployment

d. Testing

The correct answers are: Ease of design, Resuability

Correct

Mark 1.00 out of
1.00

What defines the state of an object ?

Select one:

- a. Using the class Id
- b. Using the class identity
- c. Using the behavior
- d. Using the value of the class properties

The correct answer is: Using the value of the class properties



CORRECT

Mark 1.00 out of
1.00

How does the different section of an application communicate in an OO approach ?

Select one:

- a. Different sections of the application interact through file system
- b. Different sections of the application interact through database
- c. The objects created during runtime by different sections of the application interact through messages
-  d. In OO approach, the different sections run in isolation so they will NOT interact

The correct answer is: The objects created during runtime by different sections of the application interact through messages

Correct

Mark 1.00 out of
1.00

Select the principle that best describes the given scenario. The wind is called a breeze if it is gentle. The wind is called a storm if it is harsh.

Select one:

- a. Polymorphism
- b. Abstraction
- c. Typing
- d. Aggregation

The correct answer is: Polymorphism



Correct

Mark 1.00 out of
1.00

A program is said to be_____, if it optimizes the amount of memory and processing time.

Select one:

- a. robust
- b. documented
- c. efficient
- d. modular

The correct answer is: efficient

QUESTION

Mark 0.00 out of
1.00

Choose the correct option where waterfall model is not suited.

Select one:

- a. Projects with frequent changes
- b. Complex Projects (that has more number of functionalities)
✗
- c. Projects with stable requirements
- d. Simple Projects (that has less number of functionalities)

The correct answer is: Projects with frequent changes



~~Correct~~

Mark 1.00 out of
1.00

In which of the given SDLC model, unclear requirements are considered?

Select one:

- a. Spiral Model
- b. Agile Model
- c. Prototyping Model
- d. Waterfall Model

The correct answer is: Prototyping Model



QUESTION

Mark 0.00 out of
1.00

After the development of online website for global pharmacy , it was found that there were interface errors in few of the modules. In which level of testing these errors would be identified.

Select one:

- a. System Testing
- b. Acceptance Testing
- c. Unit Testing
- d. Integration Testing

The correct answer is: Integration Testing



Correct

Mark 1.00 out of
1.00

ERD Example: Consider the given scenario. ZEE public school Library. A Library has many books. Each Book has many chapters. Identify the cardinality between Chapter and Book

Select one:

a. m..1



b. 0..0

c. 0..m

d. m..m

The correct answer is: m..1



Correct

Mark 1.00 out of
1.00

Software was developed for Global Marketing. Few changes that was earlier requested was already incorporated in the delivered software. Now the client does not want the changes and requested for the previous release. Which of the below option would facilitate developer to meet the client needs.

Select one:

- a. Software Repository
- b. Software Configuration Management
-  c. Software Control Management
- d. Change Control Management

The correct answer is: Software Configuration Management

~~Correct~~

Mark 1.00 out of
1.00

What does the below Unix command accomplish?

`$ vi sample`

Select one:

- a. delete a file named sample
- b. edit file named sample
- c. open file named sample
- d. open file if it exists else creates a new file



The correct answer is: open file if it exists else creates a new file



Correct

Mark 1.00 out of
1.00

Which of the following is not a feature of UNIX?

Select one:

a. User friendly



b. Multiuser

c. Multitasking

d. Portability

The correct answer is: User friendly



QUESTION

Mark 0.00 out of
1.00

Consider the sample.txt file and predict the output

Unix is an operating system.

Unix is open source.

Linux is also a powerful OS.

What is the output of grep -c "Unix" sample.txt command?

Select one:

a. 3

b. 4

c. 0

d. 2

The correct answer is: 2



QUESTION

Mark 0.00 out of
1.00

Which of the following layer acts as an interface between user and kernel ?

Select one:

- a. System Calls
- b. Kernel
- c. Shell
- d. Hardware

The correct answer is: Shell



Correct

Mark 1.00 out of
1.00

Which command in UNIX displays the list of all the users who have logged into the Unix server?

Select one:

- a. users
- b. Who
-  c. Who am i
- d. List users

The correct answer is: Who



Correct

Mark 1.00 out of
1.00

What is the purpose of using -a option with ls command ?

Select one:

a. for showing hidden files



b. for showing executables

c. for multi columnar output

d. for showing directories

The correct answer is: for showing hidden files



Correct

Mark 1.00 out of
1.00

Comment in XML document is given by

Select one:

a. <!-- --!>

b. <?-- -->

c. </-- -- >

d. <!-- -->



The correct answer is: <!-- -->



Correct

Mark 1.00 out of
1.00

Which is not true about XML

Select one:

a. XML Tags are not Case Sensitive



b. XML Elements Must be Properly Nested

c. All XML Elements Must Have a Closing Tag

d. XML must be wellformed

The correct answer is: XML Tags are not Case Sensitive



CORRECT

Mark 1.00 out of
1.00

Which of the following fragments of XML are well-formed

Select one:

a. <?xml version="1.0"?>



b. <?xml encoding="Master"?>

c. <?xml encoding="JIS" version="File1"?>

d. <?xml?>

The correct answer is: <?xml version="1.0"?>



Correct

Mark 1.00 out of
1.00

Find out the well-formed xml file

Select one:

- a. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>



- b. <book category="Web">
 <bname>XML Tutorials</BNAME>
 <pages>100</pages>
 <price>\$300.00<price>
 <book>



- c. <book category=Web>
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>



- d. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</Price>
 </book>

The correct answer is: <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>

Correct

Mark 1.00 out of
1.00

Which of the following statement/s is/are TRUE?

- (1) Abstract method can have body
 - (2) Abstract class cannot be instantiated
 - (3) Abstract class can have constructor
- Choose the most appropriate option.

Select one:

- a. Both (1) and (2) are TRUE
- b. Both (2) and (3) are TRUE
- c. Both (1) and (3) are TRUE
- d. Only (2) is TRUE

The correct answer is: Both (2) and (3) are TRUE



QUESTION

Mark 0.00 out of
1.00

Identify the appropriate relationship between the classes House and Room. Assume that getter and setter methods for all instance variables are implemented

```
class Room
{
    private int length;
    private float width;
}
class House
{
    private float area;
    private Room room;
    public House()
    {
        room=new Room();
    }
}
```



Choose the most appropriate option

Select one:

- a. No relationship exists between class House and class Room
- b. Aggregation
- c. Specialization
- d. Composition

The correct answer is: Composition

Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        String s1 = "One";
        String s2 = "One";
        System.out.println((s1==s2) + " " + s1.equals(s2));
    }
}
```

Choose the most appropriate option.

Select one:

- a. false true
- b. true true
-  c. true false
- d. false false

The correct answer is: true true

QUESTION

Mark 0.00 out of
1.00

What will be the output of the following Java code?

```
public class OverloadTester
{
    public static void main(String[] args)
    {
        double result = new OverloadTester().add(25, 35);
        System.out.println("Sum is " + result);
    }
    public int add(int number1, int number2)
    {
        return number1 + number2;
    }
    public double add(int number1, int number2)
    {
        return number1 + number2;
    }
}
```



Choose the most appropriate option.

Select one:

- a. Sum is 60
- b. Compilation Error: Duplicate method add(int, int) in type OverloadTester
- c. Sum is 60.0
- ✖ d. Sum is 0

The correct answer is: Compilation Error: Duplicate method add(int, int) in type OverloadTester

QUESTION

Mark 0.00 out of
1.00

What is the output expected for the below code ?

```
public class ConstructorTest
{
    private ConstructorTest(int w) // line 2
    {

        System.out.println(w);
    }
    public static ConstructorTest() // line 6
    {

        System.out.println(10);
    }
    public static void main(String args[])
    {
        ConstructorTest obj = new ConstructorTest(50);
    }
}
```



Choose most appropriate option.

Select one:

- a. Won't compile because of line (6) constructor can't be static
- b. 50
- ✖ c. 10 50
- d. 10

The correct answer is: Won't compile because of line (6) constructor can't be static

QUESTION

Mark 0.00 out of
1.00

Predict the output of the following Java code.



```
{  
  
    public void getCustomer(String  
    customer_name)  
  
    {  
  
        System.out.println("Customer  
name is : "+customer_name);  
  
    }  
  
    public void getCustomer(int  
    customerId, String customer_location)  
  
    {  
  
        System.out.println("Customer  
location : "+customer_location+" & Customer Id :  
"+customerId);  
  
    }  
  
    public void getCustomer(int  
    customerId, float reward_points)  
  
    {  
  
        System.out.println("Customer  
Id : "+customerId+" & reward points till date is  
:"+reward_points);  
  
    }  
  
    public static void main(String[]  
    args)  
  
    {
```

```
c.getCustomer(1232,560.0f);  
  
c.getCustomer(1232, "Florida");  
  
}  
  
}
```

Choose the most appropriate option.

Select one:



a. Customer name is : Smith

Customer Id : 1232 & reward points till date is :560.0

Customer location : Florida & Customer Id : 1232



b. Compilation Error.

The method getCustomer(int, String) in the type Customer is
not applicable for the arguments (int, float)



c. Customer name is : Smith

Customer Id : 1232 & Customer location : Florida

Customer Id : 1232 & reward points till date is :560.0



d. Customer name is : Smith

Customer location : Florida & Customer Id : 1232

Customer Id : 1232 & reward points till date is :560.0

The correct answer is: Customer name is : Smith
Customer Id : 1232 & reward points till date is :560.0
Customer location : Florida & Customer Id : 1232

Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class Account
{
    public void deposite(int amount)
    {
        System.out.println("Account deposited with: " +
amount);
    }
    public void transaction()
    {
        this.deposite(100);
    }
}
public class SavingsAccount extends Account
{
    public void deposite(int amount)
    {
        System.out.println("Savings Account deposited with: " +
amount);
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        Account account = new SavingsAccount();
        account.transaction();
    }
}
```



Choose the most appropriate option.

Select one:

- a. Account deposited with: 100
- b. Savings Account deposited with: 0

- d. Account deposited with: 0

The correct answer is: Savings Account deposited with: 100



QUESTION

Mark 0.00 out of
1.00

What will be the output of the following Java code?

```
class Employee
{
    Employee ()
    {
        System.out.println("Employee constructor");
    }
    static
    {
        System.out.println("Employee static block");
    }
}
class Manager
{
    Manager ()
    {
        System.out.println("Manager constructor");
    }
    static
    {
        System.out.println("Manager static block");
    }
}

public class Main
{
    public static void main(String[] args) {
        Manager obj=null;
    }
}
```



Select one:

- a. only Manager class constructor and static block executes
- b. Both class Constructor and Static block executes

- d. only Manager class static block executes

The correct answer is: no output



QUESTION

Mark 0.00 out of
1.00

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int[] array = {-9,-11-8,-100,-78};
        int minimum = 0;
        for(int index=0; index < array.length; index++)
        {
            if(minimum < array[index])
            { minimum = array[index];
            }
        }
        System.out.println(minimum);
    }
}
```



Choose the most appropriate option.

Select one:

a. null

b. -100

c. -8

d. 0

The correct answer is: 0

QUESTION

Mark 0.00 out of
1.00

Identify the CORRECT SQL statement to create a table with composite primary key. Choose most appropriate option.

Select one:

- a. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId));
- b. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey COMPOSITE PRIMARY KEY (AccountNumber,CustomerId));
- c. CREATE TABLE Account (AccountNumber Number(5) CONSTRAINT Acc_Pkey1 PRIMARY KEY, CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY, OpeningDate Date, Balance Number(10,2));
✖
- d. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY (AccountNumber,CustomerId), OpeningDate Date, Balance Number(10,2));

The correct answer is: CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId));

Correct

Mark 1.00 out of
1.00

Consider the table Student(StudentId, StudentName, Email, PercentageOfMarks). Which is the CORRECT query to display the details in the ascending order (lowest to highest) of PercentageOfMarks and in the descending order of StudentId in case PercentageOfMarks is the same. Choose most appropriate option

Select one:

- a. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId;
- b. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId DESC;
- c. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY StudentId DESC, PercentageOfMarks;
- d. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;



The correct answer is: SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;

QUESTION CORRECT

Mark 0.50 out of
1.00

Consider table Customer(cid NUMBER(4), cname VARCHAR2(10)) has some records. Identify the appropriate ALTER statements (choose 2) which executes on table Customer [Note: There is no null value for any column]

Select one or more:

- a. ALTER TABLE Customer MODIFY cname VARCHAR2(15); ✓
- b. ALTER TABLE Customer ADD CONSTRAINT cust_name NOT NULL(cname);
- c. ALTER TABLE Customer MODIFY cid NUMBER(2);
- d. ALTER TABLE Customer ADD dob DATE DEFAULT '30-Jun-1995';

The correct answers are: ALTER TABLE Customer MODIFY cname VARCHAR2(15);, ALTER TABLE Customer ADD dob DATE DEFAULT '30-Jun-1995';

Correct

Mark 1.00 out of
1.00

Consider table Students(studentId, branchid). Identify the CORRECT SQL statement to retrieve the branches which has more than 3 students. Choose most appropriate option.

Select one:

- a. SELECT branchid FROM Students HAVING COUNT(*) >3;
- b. SELECT branchid FROM Students GROUP BY studentId HAVING COUNT(*) > 3;
- c. SELECT branchid FROM Students GROUP BY branchid HAVING COUNT(*) > 3;
- d. SELECT branchid FROM Students WHERE COUNT(*) >3 GROUP BY branchid;

The correct answer is: **SELECT branchid FROM Students GROUP BY branchid HAVING COUNT(*) > 3;**

QUESTION

Mark 0.00 out of
1.00

Consider table Project is created using the SQL statement given below

```
CREATE TABLE Project(  
    projectid VARCHAR2(10) CONSTRAINT pkey PRIMARY KEY,  
    projectname VARCHAR2(10) CONSTRAINT pnull NOT NULL,  
    employeecount NUMBER(2) DEFAULT 0);
```

Which of the following statements insert record successfully to Project table [Choose 2]

Select one or more:

- a. INSERT INTO project(projectid,employeecount)
VALUES('P3',10);
- b. INSERT INTO project(projectid,projectname)
VALUES('P2','Finance');
- c. INSERT INTO project VALUES('P1','Finance',20);
- d. INSERT INTO project VALUES('P1','Finance');

✗

Your answer is incorrect.

The correct answers are: `INSERT INTO project(projectid,projectname)
VALUES('P2','Finance');`, `INSERT INTO project
VALUES('P1','Finance',20);`

QUESTION

Mark 0.00 out of
1.00

Consider the following tables:

Vendor (VendorId, VendorName, PhoneNumber). Here VendorId is the primary key.

Item (ItemCode, UnitPrice, QuantityOnHand, VendorId) Here ItemCode is the primary key and VendorId is the foreign key referencing the VendorId in Vendor Table.

Which is the CORRECT SQL query to display ItemCode, UnitPrice, VendorName for all Items. It should also display the details of the Item which is not having any vendor?

Choose most appropriate option

Select one:

- a. SELECT Item.ItemCode, Item.UnitPrice, Vendor.VendorName
FROM Item INNER JOIN Vendor ON Item.VendorId =
Vendor.VendorId AND Item.VendorId IS NULL;

- b. SELECT Item.ItemCode, Item.UnitPrice, Vendor.VendorName
FROM Item INNER JOIN Vendor ON Item.VendorId =
Vendor.VendorId;

- c. SELECT Item.ItemCode, Item.UnitPrice, Vendor.VendorName
FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId =
Vendor.VendorId;

- d. SELECT Item.ItemCode, Item.UnitPrice, Vendor.VendorName
FROM Item, Vendor WHERE Item.VendorId = Vendor.VendorId;

Your answer is incorrect.

The correct answer is: SELECT
Item.ItemCode, Item.UnitPrice, Vendor.VendorName FROM Item LEFT
OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId;

incorrect

Mark 0.00 out of
1.00

'link', 'vlink' and 'alink' are attributes of which HTML tag?

Choose the most appropriate option.

Select one:

a. <body>

b.

c. <a>

✗

d. <head>

Your answer is incorrect.

The correct answer is: <body>



incorrect

Mark 0.00 out of
1.00

Choose from below the valid syntax to show "Welcome to JS!!" to user in JavaScript using a pop up. Choose most appropriate option

Select one:

a. alertmsg("Welcome to JS!!");



b. alertBox("Welcome to JS!!");

c. alert("Welcome to JS!!");

d. alert(Welcome to JS!!);

The correct answer is: alert("Welcome to JS!!");



CORRECT

Mark 1.00 out of
1.00

Choose from below the valid syntax to show "Welcome to JS!!" to user in JavaScript using a pop up. Choose most appropriate option

Select one:

- a. alertBox("Welcome to JS!!");
- b. alertmsg("Welcome to JS!!");
- c. alert("Welcome to JS!!");
-  d. alert(Welcome to JS!!);

The correct answer is: alert("Welcome to JS!!");



QUESTION

Mark 0.00 out of
1.00

Assume abc.html is existing and a valid HTML page. Refer the code below:

```
<form action="abc.html">  
    First Name: <input type="text"/><br/>  
    Last Name: <input type="text"/><br/>  
    Password: <input type="hidden"/><br/>  
    <input type="submit" value="Submit"/>  
</form>
```

How many HTML controls will be displayed on the browser, when the above page is run on browser? Choose most appropriate option

Select one:

a. 4

b. 3

c. 7

d. 5

The correct answer is: 3

Mark 1.00 out of
1.00

Which of the following is the correct html form element to create the checkbox in a web page? Choose most appropriate option.

Select one:

a. <input type="checkbox">



b. <input=checkbox>

c. <checkbox>

d. <input checkbox>

The correct answer is: <input type="checkbox">



incorrect

Mark 0.00 out of
1.00

Consider the javascript code given below. What would be the print values from line 1 and line 2 on execution?

```
<html>
  <body>
    <p id="id1"></p><!-- line 1-->
    <p id="id2"></p><!-- line 2-->
    <script>
      var y=10;
      myFunction();
      document.getElementById("id1").innerHTML = y;
      document.getElementById("id2").innerHTML = window.y;
      function myFunction() {
        y=20;
        y=y+window.y
      }
    </script>
  </body>
</html>
```

Choose the most appropriate option.

Select one:

- a. 10 10
- b. 10 30
- c. 40 40

Your answer is incorrect.

The correct answer is: 40 40



QUESTION

Mark 0.00 out of
1.00

SPOT THE ERROR:

Observe the below algorithm to find the average of three numbers.

Step1: Start

Step2: Get num1, num2, num3

Step3: Add num1, num2, num3 and store it in Sum

Step4: Average=sum%3

Step5: Display Sum and Average

Step6: Stop

Identify the incorrect step(if any)

Select one:

a. No error

b. Step 2

c. Step 5

d. Step 4

Your answer is incorrect.

The correct answer is: Step 4



Correct

Mark 1.00 out of
1.00

The properties of good program must have_____

Select one:



a.
Fault Prevention and fault tolerance



b. Modules tightly connected



c.
Poor Design for change



d. Component dependence

Your answer is correct.

The correct answer is:

Fault Prevention and fault tolerance



Correct

Mark 1.00 out of
1.00

Carefully read the question and answer accordingly. Which data structure is said to be linear data structure?

Select one:

a. Arrays



b. Graphs

c. Tree

d. None of the listed options

The correct answer is: Arrays



CORRECT

Mark 1.00 out of
1.00

Carefully read the question and answer accordingly. What operation is processed for each element in the list

Select one:

- a. Sorting
- b. Merging
- c. Inserting
- d. Traversal



The correct answer is: Traversal



Correct

Mark 1.00 out of
1.00

Time complexity of an algorithm signifies the total time required by the algorithm to complete its execution with provided resources. State True or False.

Select one:

True ✓

False

The correct answer is 'True'.



Correct

Mark 1.00 out of
1.00

What is the time complexity of these functions?

```
int fact(int i)
{
    if(i<=1)
        return i;
    return 2*fact(i-1);
}

int fact2(int i)
{
    if(i<=1)
        return i;
    return fact2(i-1) + fact2(i-1);
}
```

Select one:

- a. $O(n)$ for both fact() and fact2()
 - b. $O(2^n)$ for both fact() and fact2()
 - c. $O(n)$ for fact() and $O(2^n)$ for fact2()
- ✓
- d. $O(2^n)$ for fact() and $O(n)$ for fact2()

The correct answer is: $O(n)$ for fact() and $O(2^n)$ for fact2()

Incorrect

Mark 0.00 out of
1.00

Which algorithm is the best sorting method in-place with no quadratic worst-case scenarios?

Select one:

a. Quick Sort

b. Heap Sort

c. Bubble Sort

d. Selection Sort

The correct answer is: Heap Sort

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Avengers Mock 1 - QUIZ / Quiz / MCQ

Started on	Saturday, 16 November 2019, 2:00 PM
State	Finished
Completed on	Saturday, 16 November 2019, 3:13 PM
Time taken	1 hour 13 mins
Grade	27.00 out of 50.00 (54%)

Question 1

Correct

Mark 1.00 out of
1.00



Method Overriding shows static polymorphism.

Select one:

True

False ✓

The correct answer is 'False'.

Mark 0.00 out of
1.00

Which of the following classes are available in the `java.lang` package?

- (A) Stack
- (B) Object
- (C) Math
- (D) Random
- (E) String
- (F) StringBuffer
- (G) Vector

Select one:

- a. (C), (E) & (F)
- b. (B), (C) & (E)
- c. (A), (B), (C), (E) & (F)
- ✖
 d. (B), (E) & (F)
- e. (B), (C), (E) & (F)

The correct answer is: (B), (C), (E) & (F)

Mark 0.00 out of
1.00

Choose the method(s) of the String class

Select one or more:

a. delete()

✗

b. replace()

✓

c. intern()

✓

d. reverse()

e. append()

✗

The correct answers are: intern(), replace()

Mark 1.00 out of
1.00

State True or False: The accuracy and efficiency of a HashMap can be guaranteed with overriding equals method and hashCode method.

Select one:

True ✓

False

The correct answer is 'True'.

Mark 0.00 out of
1.00

```
import java.util.ArrayList;
import java.util.Iterator;
public class sample {
public static void main(String[] args)
{
    ArrayList<String> list = new ArrayList<String>();

    list.add("Orange");
    list.add("suguna");
    list.add("Apple");
    list.add("squeeze");
    Iterator<String> it = list.iterator();
    while (it.hasNext())
    {
        String inr = it.next();
        if(inr.startsWith("s"))
        {
            list.remove(inr);
        }
    }
    System.out.println(list);
}
}
```

State True or False

Select one:

a. True



b. False

The correct answer is: False



Mark 0.00 out of
1.00

Predict the output:

```
public class Topper
{
    public static void check() {
        this.display();
    }
    public static void display() {
        System.out.println("Welcome to Java");
    }
    public static void main(String args []) {
        check();
    }
}
```

Select one:

a. Welcome to Java



b. Compile time error

c. An exception is raised stating that the variable this can only be used within an instance

d. Runtime error

The correct answer is: **Compile time error**

Mark 1.00 out of
1.00

Predict the output:

```
interface X
{
    void display();
}
interface Y extends X
{
    void print();
}

class Employee implements Y
{
    public void display() {
        System.out.print("John ");
    }
    public void print() {
        System.out.print("Mathew");
    }
}

public class TestMain {

    public static void main(String[] args) {

        Employee e = new Employee();
        e.display();
        e.print();
    }
}
```

Select one:



c. John



d. John Mathew



The correct answer is: John Mathew



Mark 0.00 out of
1.00

Predict the output:



```
    void calculate(int a, int b)
    {
        System.out.println("Class One");
    }
}

class Two extends One
{
    @Override
    void calculate(int a, int b)
    {
        System.out.println("Class Two");
    }
}

class Three extends Two
{
    @Override
    void calculate(int a, int b)
    {
        System.out.println("Class Three");
    }
}

public class Test
{
    public static void main(String[] args)
    {
        One one = new Two();

        one.calculate(10, 20);

        Two two = (Two) one;

        two.calculate(50, 100);

        Three three = (Three) two;

        three.calculate(100, 200);
    }
}
```

- a. Class Two
Class Two
java.lang.ClassCastException
 - b. Class One
Class Two
Class Three
- ✖
- c. java.lang.ClassCastException
 - d. Class One
Class Two
java.lang.ClassCastException

The correct answer is: Class Two

Class Two
java.lang.ClassCastException

Mark 0.00 out of
1.00

Predict the output:

```
public class Topper {  
    public static void main(String args[])  
    {  
        TreeSet ts=new TreeSet();  
        ts.add("30");  
        ts.add("90");  
        ts.add("100");  
        ts.add("40");  
        ts.add("90");  
        System.out.println(ts);  
    }  
}
```

Select one:

- a. [100,30,40,90]
- b. [30,90,100,40,90]
- ✖ c. [30,40,90,100]
- d. [30,40,90,90,100]

The correct answer is: [100,30,40,90]

Mark 0.00 out of
1.00

Select the true statement ?

Select one:

a. Inheritance forms a is-a part of relationship between classes.

b. Aggregation forms a is-a part of relationship between classes.
Composition is the stronger form of Aggregation.

c. Aggregation is the stronger form of Inheritance.

d. Aggregation forms the is-a type of relationship between classes.

The correct answer is: Aggregation forms a is-a part of relationship
between classes. Composition is the stronger form of Aggregation.

Mark 1.00 out of
1.00

How do we change the state of an object ?

Select one:

a. Using object's property

b. Using object's behavior



c. Using class name

d. Using Object's default methods

The correct answer is: Using object's behavior



Mark 0.00 out of
1.00

Select the principle that best describes the given scenario. An air-condition can be operated using the button or remote control.

Select one:

- a. Hierarchy
- b. Encapsulation
- c. Polymorphism
- d. Abstraction

The correct answer is: Encapsulation

Mark 1.00 out of
1.00

How does the different section of an application communicate in an OO approach ?

Select one:

- a. In OO approach, the different sections run in isolation so they will NOT interact
- b. The objects created during runtime by different sections of the application interact through messages
- c. Different sections of the application interact through database
- d. Different sections of the application interact through file system

The correct answer is: The objects created during runtime by different sections of the application interact through messages

Mark 1.00 out of
1.00

What defines the state of an object ?

Select one:

- a. Using the behavior
- b. Using the class Id
- c. Using the class identity
- d. Using the value of the class properties



The correct answer is: Using the value of the class properties



Mark 0.00 out of
1.00

Select the multiplicity between passenger and train reservation ticket? What is the multiplicity of passenger ?

Select one:

a. 0..*

b. 0..1

c. 1..*

d. 1

The correct answer is: 1



Mark 1.00 out of
1.00

Order the range of coupling from high to low

- a. control coupling
- b. stamp coupling
- c. content coupling
- d. uncoupled
- e. common coupling
- f. data coupling

Select one:



a.

c , e , a, f , b, d



b.

c , e , a, b, f, d



c.

d, c , e , a, b, f



d.

c , a, b, f, e, d

Your answer is correct.

The correct answer is:

c , e , a, b, f, d

Mark 1.00 out of
1.00

A program is said to be_____, if it optimizes the amount of memory and processing time.

Select one:

- a. documented
- b. efficient
- c. robust
- d. modular

The correct answer is: efficient



Mark 1.00 out of
1.00

Steve is learning to draw a flowchart to calculate the volume of a cuboid. Which of the options given below would fit into the process section of the flow chart?

Select one:

- a. check if l,b,h have positive value
- b. Read the value of l,b,h(l represents the length, b represents the breadth, h represents the height)
- c. Volume= $l \times b \times h$
- d. display the volume of the cuboid

Your answer is correct.

The correct answer is: Volume= $l \times b \times h$

Mark 0.00 out of
1.00

Carefully read the question and answer accordingly. Find which list is not related to stacks?

Select one:

a. None of the options.

b. First in First Out

c. Push-down

✗

d. Last In First Out

The correct answer is: First in First Out

Mark 1.00 out of
1.00

Carefully read the question and answer accordingly. Which data structure is said to be linear data structure?

Select one:

a. None of the listed options

b. Tree

c. Arrays



d. Graphs

The correct answer is: Arrays



Mark 0.00 out of
1.00

Which algorithm is the best sorting method in-place with no quadratic worst-case scenarios?

Select one:

a. Quick Sort

✗

b. Selection Sort

c. Bubble Sort

d. Heap Sort

The correct answer is: Heap Sort

Mark 1.00 out of
1.00

From the given options identify the appropriate algorithm that has the lowest worst-case complexity?

Select one:

a. Quick Sort

b. Merge Sort



c. Selection Sort

d. Bubble Sort

The correct answer is: Merge Sort



Mark 1.00 out of
1.00

An algorithm which executes on constant time period can be denoted as

Select one:

- a. $O(n \log n)$
- b. $O(n^2)$
- c. $O(n)$
- d. $O(1)$



The correct answer is: $O(1)$



Mark 1.00 out of
1.00

Which of the option gives the number of independent paths in the program

Select one:

a. Mc Cabes number



b. Boundary Value analysis

c. Equivalence Partitioning

d. Error Guessing

The correct answer is: Mc Cabes number



Mark 1.00 out of
1.00

The SRS document should be

Select one:

- a. Consistent
- b. Modifiable
- c. Unambiguous
- d. All the options



The correct answer is: All the options



Mark 0.00 out of
1.00

Software was developed for Global Marketing. Few changes that were earlier requested were already incorporated in the delivered software. Now the client does not want the changes and requested for the previous release. Which of the below option would facilitate developer to meet the client needs.

Select one:

- a. Software Repository
- b. Software Configuration Management
- c. Software Control Management
- d. Change Control Management

✖

The correct answer is: Software Configuration Management

Mark 0.00 out of
1.00

Go-Will department store wants to automate few of its functionalities. From the below options identify the functional requirements of Go-Will department store

Select one or more:

a. Add Product Details

✓

b. Generate Bill for the purchased Items

✓

c. System should be up and running 24/7

✗

d. Response for each button click should be within 3 seconds

✗

The correct answers are: Generate Bill for the purchased Items, Add Product Details

Mark 0.00 out of
1.00

Tom and his team uses the SVN(Configuration Management Tool) to do versioning of source code. Tom has pulled out the code from the SVN server to his local machine, updated his task partially and wanted to update the work back to the SVN server. What is the actual process Tom has performed with the SVN server.

Select one:

- a. check out/check in
- b. fork/join
- c. check in/check out
- d. commit/rollback

✖

The correct answer is: check out/check in

Mark 1.00 out of
1.00

Which of the following option will delete the corresponding records in the child table when the records in parent table get deleted?

Select one:

a. On delete cascade



b. On cascade set null

c. On delete set null

d. On cascade delete

The correct answer is: On delete cascade



Mark 1.00 out of
1.00

In Oracle “Salary number(8,2)” can store which format of data?

Select one:

- a. 99999999
- b. 9999999.99
- c. 99999.99000000001
- d. 999999.99



The correct answer is: 999999.99



Mark 0.00 out of
1.00

Which of these SQL commands are used for manipulating the structure of database objects?

Select one:

- a. Data Definition Language
- b. Data Control Language
- c. Data Access Language
- d. Data Manipulation Language

✗

The correct answer is: Data Definition Language

Mark 1.00 out of
1.00

Which of the following keywords is used with Data Control Language statements?

Select one:

a. Select

b. Grant



c. Delete

d. Insert

The correct answer is: Grant



Mark 1.00 out of
1.00

Which values are ignored by count(*) function?

Select one:

a. Null values



b. Integers

c. Characters

d. Repetitive values

The correct answer is: Null values



Mark 0.00 out of
1.00

The CUSTOMER table has following structure

CID NUMBER (5), CNAME VARCHAR2 (50), CADDRESS VARCHAR2 (150)

Which of the following statement will produce the output as "DEAR CUSTOMER NAME", where CUSTOMER NAME is fetched from CUSTOMER table?

Select one:

- a. SELECT 'DEAR '|| CNAME FROM CUSTOMER;
- b. SELECT "DEAR", CNAME FROM CUSTOMER;
- c. SELECT "DEAR || CNAME" FROM CUSTOMER;
- d. SELECT DEAR, CNAME FROM CUSTOMER;

✖

The correct answer is: SELECT 'DEAR '|| CNAME FROM CUSTOMER;

Mark 1.00 out of
1.00

Which command in UNIX displays the list of all the users who have logged into the Unix server?

Select one:

a. Who



b. Who am i

c. users

d. List users

The correct answer is: Who



Mark 1.00 out of
1.00

What is the purpose of using -a option with ls command ?

Select one:

a. for showing directories

b. for showing executables

c. for showing hidden files



d. for multi columnar output

The correct answer is: for showing hidden files



Mark 0.00 out of
1.00

Pipes are Used to combine two or more commands. The symbol used for representing pipe is -----

Select one:

a. ||

✗

b. >>

c. |

d. ::

The correct answer is: |



Mark 0.00 out of
1.00

What does the below Unix command accomplish?

`$ vi sample`

Select one:

a. open file if it exists else creates a new file

b. open file named sample

c. delete a file named sample

d. edit file named sample

The correct answer is: open file if it exists else creates a new file

Mark 0.00 out of
1.00

Every entry in the UNIX directory file has the following component(s).

Select one:

- a. Filename and Inode number
- b. File Sixe
- c. Filename
- d. Inode number

✗

The correct answer is: Filename and Inode number

Mark 0.00 out of
1.00

What does the below Unix command accomplish?

`$ sed 's/ABC/ZYX/' file.txt`

Select one:

- a. Only matches and displays the occurrence of the pattern
- b. Replaces only first occurrence of 'ABC' with 'ZYX'
- c. Replaces all occurrences 'ABC' with 'ZYX'
- d. Replaces first occurrence in every line 'ABC' with 'ZYX'

The correct answer is: Replaces first occurrence in every line 'ABC' with 'ZYX'

Mark 1.00 out of
1.00

What is the output of the following code?

```
<script type="text/javascript">  
    var s = "6718654 or 70101?";  
    var pattern = /\d{4}/;  
    var output = s.match(pattern);  
    document.write(output);  
</script>
```

Select one:

a. 6718654

b. 671701

c. 6718



d. 70101

The correct answer is: 6718



Mark 0.00 out of
1.00

In CSS, styles are written under _____ tag which is the child of _____ tag

Select one or more:

a. script

✗

b. body

c. style

d. head

✓

The correct answers are: head, style

Mark 1.00 out of
1.00

Javascript is included in an HTML file with the help of _____ tag

Select one:

a. style

b. body

c. script



d. head

The correct answer is: script



Mark 0.00 out of
1.00

What does the following selector do ?

```
$("div")
```

Select one:

- a. Selects all div elements
- b. Selects all div elements within a <p> tag

- c. selects the first div element inside a <p> tag
- d. Selects the first div element

The correct answer is: Selects all div elements

Mark 1.00 out of
1.00

What is the correct syntax to create an array in javascript

Select one:

- a. var txt = new Array(1:"John",2:"Ron",3:"Tom")
- b. var txt = new Array:1=("John")2=("Ron")3=("Tom")
- c. var txt = new Array="John","Ron","Tom"
- d. var txt = new Array("John","Ron","Tom")



The correct answer is: var txt = new Array("John","Ron","Tom")



Mark 1.00 out of
1.00

In CSS to define style for a unique element then which css selector should be used?

Select one:

a. class

b. text

c. id



d. name

The correct answer is: id



Mark 1.00 out of
1.00

What will be the XPATH expression to select all the book elements that have a price greater than 135.00

Select one:

a. ./bookstore-book-price>135.00]

b. ./bookstore/book[price>135.00]



c. ./bookstore/book-price>135.00]

d. ./bookstore-book[price>135.00]

The correct answer is: /bookstore/book[price>135.00]



Mark 1.00 out of
1.00

Comment in XML document is given by

Select one:

a. <?--- -->

b. </--- --- >

c. <!--- --->



d. <!!-- --!>

The correct answer is: <!--- --->



Mark 0.00 out of
1.00

Which is not true about XML

Select one:

- a. All XML Elements Must Have a Closing Tag

✗

- b. XML Elements Must be Properly Nested

- c. XML must be wellformed

- d. XML Tags are not Case Sensitive

The correct answer is: XML Tags are not Case Sensitive

Mark 1.00 out of
1.00

What is wrong in the following lines of xml code

```
<note date= 14/04/1979>
<to>Abin</to>
<from>John</from>
</note>
```

Select one:

a. XML Elements Must be Properly Nested

b. XML Attribute Values Must be Quoted



c. All XML Elements Must Have a Closing Tag

d. XML Tags are Case Sensitive

The correct answer is: XML Attribute Values Must be Quoted

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of Chrome, Firefox and Microsoft Edge

Avengers Mock 3 MCQ / MCQ / Quiz

Started on Friday, 22 November 2019, 2:02 PM

State Finished

Completed on Friday, 22 November 2019, 3:05 PM

Time taken 1 hour 3 mins

Grade 36.50 out of 50.00 (73%)

Question 1

Correct

Mark 1.00 out of
1.00



What is the diagram that depicts the interaction between objects by arranging the objects in time sequence ?

Select one:

- a. Use Case Diagram
- b. Component Diagram
- c. Sequence Diagram
- ✓ d. Activity Diagram

The correct answer is: Sequence Diagram

Correct

Mark 1.00 out of
1.00

What is the approach of OO ?

Select one:

- a. bundle data only for security
- b. bundle data seperated from method
- c. bundle method seperated from data
- d. bundle data and method



The correct answer is: bundle data and method



QUESTION CORRECT

Mark 0.50 out of
1.00

Which of the below terms represents the levels of hierarchy ?

Select one or more:

a. Generalization

✓

b. Multi-Level

✗

c. Aggregation

d. Compound

The correct answers are: Generalization, Aggregation



Correct

Mark 1.00 out of
1.00

Select the diagram used to depict the building blocks and the static structure of the system ?

Select one:

- a. Sequence Diagram
- b. Component Diagram
- c. Interaction Diagram
- d. Class Diagram



The correct answer is: Class Diagram



Correct

Mark 1.00 out of
1.00

Select the principle that best describes the given scenario. The wind is called a breeze if it is gentle. The wind is called a storm if it is harsh.

Select one:

- a. Abstraction
- b. Aggregation
- c. Typing
- d. Polymorphism



The correct answer is: Polymorphism



INCORRECT

Mark 0.00 out of
1.00

Select the principle that best describes the given scenario. An air-condition can be operated using the button or remote control.

Select one:

- a. Abstraction
- b. Encapsulation
- c. Polymorphism
- d. Hierarchy

The correct answer is: Encapsulation

Correct

Mark 1.00 out of
1.00

A flowchart needs to represent a situation to check whether a person is eligible to vote. The system has to consider the person's age for checking the eligibility. Which of the following constructs should be used?

Select one:

a. Decision



b. Loop

c. All the options

d. Sequence

Your answer is correct.

The correct answer is: Decision



Correct

Mark 1.00 out of
1.00

The SRS document should be

Select one:

a. All the options



b. Modifiable

c. Consistent

d. Unambiguous

The correct answer is: All the options



INCORRECT

Mark 0.00 out of
1.00

In which of the given SDLC model, unclear requirements are considered?

Select one:

- a. Prototyping Model
- b. Agile Model
- c. Waterfall Model
- d. Spiral Model

The correct answer is: Prototyping Model

Correct

Mark 1.00 out of
1.00

Tom and his team uses the SVN(Configuration Management Tool) to do versioning of source code. Tom has pulled out the code from the SVN server to his local machine, updated his task partially and wanted to update the work back to the SVN server. What is the actual process Tom has performed with the SVN server.

Select one:

a. check out/check in



b. fork/join

c. commit/rollback

d. check in/check out

The correct answer is: check out/check in

Correct

Mark 1.00 out of
1.00

Identify the McCabe's number for the below code:

```
public class Testing{  
    public static void main(String[] args) {  
        int var1 = 10;  
  
        int var2 = 20;  
  
        if ((var1 > 8) && (var2 > 8))  
        { System.out.println("Greater than 8");  
        }  
  
        if ((var1 > 10) || (var2 > 10))  
        { System.out.println("Greater than 10");  
        }  
    }  
}
```

Select one:

a. 6

b. 5



c. 4

d. 3

The correct answer is: 5

CORRECT

Mark 1.00 out of
1.00

Software was developed for Global Marketing. Few changes that was earlier requested was already incorporated in the delivered software. Now the client does not want the changes and requested for the previous release. Which of the below option would facilitate developer to meet the client needs.

Select one:

- a. Software Control Management
- b. Software Configuration Management
-  c. Software Repository
- d. Change Control Management

The correct answer is: Software Configuration Management

Correct

Mark 1.00 out of
1.00

Unix Terminals are called Dummy terminals as they do not have
----- capability.

Select one:

- a. Display
- b. Output
- c. Processing
- d. Input

The correct answer is: Processing

Correct

Mark 1.00 out of
1.00

Pipes are Used to combine two or more commands. The symbol used for representing pipe is _____

Select one:

a. ||

b. |



c. ;;

d. >>

The correct answer is: |



Correct

Mark 1.00 out of
1.00

Which of the following layer acts as an interface between user and kernel ?

Select one:

- a. System Calls
- b. Shell
- 
- c. Hardware
- d. Kernel

The correct answer is: Shell



Correct

Mark 1.00 out of
1.00

Every entry in the UNIX directory file has the following component(s).

Select one:

a. Filename and Inode number



b. Inode number

c. Filename

d. File Sixe

The correct answer is: Filename and Inode number



Correct

Mark 1.00 out of
1.00

Which command in UNIX displays the list of all the users who have logged into the Unix server?

Select one:

a. List users

b. Who



c. Who am i

d. users

The correct answer is: Who



Correct

Mark 1.00 out of
1.00

Which of the following should be used to print lines containing 'manager' in emp.lst?

Select one:

- a. awk '/manager { print }' emp.lst
- b. awk 'manager { print }' emp.lst
- c. awk '/manager/ { print } emp.lst
- d. awk '/manager/ { print }' emp.lst



The correct answer is: awk '/manager/ { print }' emp.lst



Correct

Mark 1.00 out of
1.00

Which is the correct way to define an empty book element

Select one:

- a. <book>
- b. <book>empty</book>
- c. <book></book>
- d. <book>NULL</book>

The correct answer is: <book></book>



Correct

Mark 1.00 out of
1.00

What is wrong in the following lines of xml code

```
<note date= 14/04/1979>
<to>Abin</to>
<from>John</from>
</note>
```

Select one:

a. XML Attribute Values Must be Quoted



b. XML Tags are Case Sensitive

c. XML Elements Must be Properly Nested

d. All XML Elements Must Have a Closing Tag

The correct answer is: XML Attribute Values Must be Quoted



Correct

Mark 1.00 out of
1.00

What is the correct way of declaring an XML namespace?

Select one:

- a. xmlns:prefix=URI
- b. xmlns-prefix="URI"
- c. xmlns:prefix="URI"
- 
 d. xmlns:prefix,"URI"

The correct answer is: xmlns:prefix="URI"



INCORRECT

Mark 0.00 out of
1.00

Find out the well-formed XML file

Select one:

- a. <book category="Web">
 <bname>XML Tutorials</BNAME>
 <pages>100</pages>
 <price>\$300.00</price>
 <book>
- b. <book category=Web>
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>
- c. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</Price>
 </book>
- d. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>

The correct answer is: <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>

Correct

Mark 1.00 out of
1.00

If Employee class is created inside com.test package, what could be the first line in class? Choose most appropriate option.

Select one:

- a. packages com.test
- b. class Employee{}
- c. package com.test
- d. package com.test.Employee

The correct answer is: package com.test



Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int i=0;
        for(i=0; i<10; i++)
        {
            if(i == 5)
            {
                continue;
            }
            i++;
            System.out.print(i + " ");
        }
    }
}
```



Choose the most appropriate option.

Select one:



a. 1 2 3 4 6 7 8 9



b. 1 3 5 7 9



c. 1 2 3 4 and then program will get into infinite loop



d. 1 2 3 4 5 6 7 8 9

The correct answer is: 1 3 5 7 9

Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class Rectangle
{
    private int length;
    private int width;
    public static void main(String[] args)
    {
        Rectangle rectangle1 = new Rectangle();
        rectangle1.length=10;
        rectangle1.width=5;
        Rectangle rectangle2 = rectangle1;
        System.out.println("Length : "+rectangle2.length);
        System.out.println("Width : "+rectangle2.width);
    }
}
```

Choose the most appropriate option.

Select one:

- a. Length : null Width : null
- b. Length : 10 Width : 5
- c. Length: 5 Width: 10
- d. Length : 0 Width : 0

The correct answer is: Length : 10 Width : 5

Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class IfTester
{
    public static void main(String[] args)
    {
        int number1 = 10, number2;
        if(number1 == 10)
        {
            number2 = 20;
        }
        if (number1 != 10)
        {
            number2 = 30;
        }
        System.out.println("Number2 :" +number2);
    }
}
```



Choose the most appropriate option.

Select one:

- a. Compilation Error: The local variable number2 may not have been initialized
- b. Number2 :0
- c. Number2 :20
- d. Number2 :30

The correct answer is: Compilation Error: The local variable number2 may not have been initialized

Correct

Mark 1.00 out of
1.00

Accenture developed a Java based Application (Vendor Management System) for New Codington city. The product was delivered to New Codington after successful testing on Windows platform. New Codington wants to run the application on their desktop which has Linux platform. What are the MINIMUM resources needed to successfully run the application? Choose the most appropriate option.

Select one:

- a. JDK on Linux
- b. JVM on Linux
- 
- c. JDK on Windows
- d. JVM on Windows

The correct answer is: JVM on Linux

Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class OverloadTester
{
    public static void main(String[] args)
    {
        double result = new OverloadTester().add(25, 35);
        System.out.println("Sum is " + result);
    }
    public int add(int number1, int number2)
    {
        return number1 + number2;
    }
    public double add(int number1, int number2)
    {
        return number1 + number2;
    }
}
```

Choose the most appropriate option.

Select one:

- a. Compilation Error: Duplicate method add(int, int) in type OverloadTester



- b. Sum is 0

- c. Sum is 60.0

- d. Sum is 60

The correct answer is: Compilation Error: Duplicate method add(int, int) in type OverloadTester

~~incorrect~~

Mark 0.00 out of
1.00

Given the below code. What is output ?

```
class Currency
{
    private String country = "Canada";
    public String getC()
    {
        return country;
    }
}
class JapeneseYen extends Currency
{
    public String getC()
    {
        return super.country;
        //Line 12
    }
}
public class AustralianDollar extends Currency
{
    public String getC(int x)
    {
        return super.getC();
    }
    public static void main(String[] args)
    {
        System.out.print(new JapeneseYen().getC() + " " + new
        AustralianDollar().getC());
    }
}
```



Choose most appropriate option.

Select one:

a. null null

b. Compilation fails due to an error on line 12 ";country is not visible";

 d. Canada Canada



 e. Canada null

The correct answer is: Compilation fails due to an error on line 12
";country is not visible ";.



Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int[] array = {-9,-11-8,-100,-78};
        int minimum = 0;
        for(int index=0; index < array.length; index++)
        {
            if(minimum < array[index])
            { minimum = array[index];
            }
        }
        System.out.println(minimum);
    }
}
```

Choose the most appropriate option.

Select one:

a. 0



b. null

c. -100

d. -8

The correct answer is: 0

Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class ApplicationTester {  
    public static void main(String[] args) {  
        int [] array1 = {10,20,30,40,50};  
        int [] array2 = array1;  
        for(int index1=0,index2=3;  
index2<array2.length&&index1<array1.length; index1++,++index2)  
        {  
            array1[index1]++;  
            System.out.print(array2[index2]+ " ");  
        }  
    }  
}
```

Select one:

a. Array Index Out Of Bounds Exception

b. 40 50



c. 0 0

d. 41 51

The correct answer is: 40 50

~~incorrect~~

Mark 0.00 out of
1.00

Which of the following statement(s) is/are TRUE?

- (i) In a non-correlated(independent) subquery, the subquery is always executed only once.
- (ii) In a non-correlated(independent) subquery, the inner query (sub query) references the column from the outer query (main query).

Choose most appropriate option

Select one:

- a. Neither (i) nor (ii)
- b. Only (i)
- c. Only (ii)
- d. Both (i) and (ii)

✗

The correct answer is: Only (i)

Correct

Mark 1.00 out of
1.00

The employee tables contains EmployeeId,EmployeeName and DeptCode Columns. Which is the CORRECT SQL query to display the EmployeeId and EmployeeName of employees who are working in DeptCode 10 OR 20?

- (i) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode IN (10,20);
(ii) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode = 10 OR DeptCode = 20;
Choose most appropriate option.

Select one:

a. Only (ii)

b. Only (i)

c. Both (i) and (ii)



d. Neither (i) nor (ii)

The correct answer is: Both (i) and (ii)



~~incorrect~~

Mark 0.00 out of
1.00

Which of the following can be created as a table level constraint?

- (i) primary Key
- (ii) foreign key
- (iii) unique

Choose most appropriate option.

Select one:

a. (i) and (iii)

b. (i) only

c. (i) and (ii)

d. (i), (ii) and (iii)

The correct answer is: (i), (ii) and (iii)



~~incorrect~~

Mark 0.00 out of
1.00

Which of the following about DELETE command in SQL is FALSE?
Choose most appropriate option.

Select one:

- a. Used for deleting a single column value in a record
- b. Is a DML statement and has to be manually committed
- c. Used for deleting multiple records in a table
- d. Throws constraint violation error when deleting a parent record, for which child records exists

The correct answer is: Used for deleting a single column value in a record



Mark 1.00 out of
1.00

Identify the CORRECT SQL statement to create a Account table with composite primary key (AccountNumber, CustomerId).

Choose most appropriate option

Select one:

- a. CREATE TABLE Account (AccountNumber Number(5),
CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY
KEY (AccountNumber,CustomerId), OpeningDate Date, Balance
Number(10,2));
- b. CREATE TABLE Account (AccountNumber Number(5),
CustomerId Number(10), OpeningDate Date, Balance
Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY
(AccountNumber,CustomerId));
- c. CREATE TABLE Account (AccountNumber Number(5)
CONSTRAINT Acc_Pkey1 PRIMARY KEY, CustomerId
Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY,
OpeningDate Date, Balance Number(10,2));
- d. CREATE TABLE Account (AccountNumber Number(5),
CustomerId Number(10), OpeningDate Date, Balance
Number(10,2), CONSTRAINT Acc_Pkey COMPOSITE PRIMARY
KEY (AccountNumber,CustomerId));

Your answer is correct.

The correct answer is: CREATE TABLE Account (AccountNumber
Number(5), CustomerId Number(10), OpeningDate Date, Balance
Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY
(AccountNumber,CustomerId));

incorrect

Mark 0.00 out of
1.00

Consider the tables given below.

Customer(customerId,(customerName)

Book(bookId, bookName)

Purchase(purchaseId, bookId, customerId)

bookId and customerId in purchase table are foreign keys referring to Book and Customer tables respectively.

Which is the CORRECT SQL statement to retrieve customer name and book name for all books purchased by customers.

Select one:

- a.

```
SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
ON c.customerId=p.customerId
SELF JOIN book b
ON b.bookid=p.bookid;
```
- b.

```
SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
ON c.customerId=p.customerId
INNER JOIN book b
ON b.bookid=p.bookid;
```
- c.

```
SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
INNER JOIN book b
ON b.bookid=p.bookid AND c.customerId=p.customerId;
```
- d.

```
SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
ON c.customerId=p.customerId;
```

Your answer is incorrect.

```
INNER JOIN book b  
ON b.bookid=p.bookid;
```



INCORRECT

Mark 0.00 out of
1.00

Refer the incomplete code given below.

```
<style>  
#firstname {  
    background-color: yellow;  
    color:red;  
}  
</style>  
<input type=text <strong>__Blank1__</strong>='firstname'>
```

Choose the CORRECT attribute which if replaces '__Blank1__' will apply the CSS to text box.

Choose most appropriate option.

Select one:

a. id

b. style

✗

c. styleclass

d. class

Your answer is incorrect.

The correct answer is: id

incorrect

Mark 0.00 out of
1.00

'link', 'vlink' and 'alink' are attributes of which HTML tag?

Choose the most appropriate option.

Select one:

a. <body>

b. <a>

c.

d. <head>

Your answer is incorrect.

The correct answer is: <body>



Correct

Mark 1.00 out of
1.00

Which of the following attribute is used by a HTML tag to apply inline style? Choose most appropriate option.

Select one:

a. style



b. class

c. styleclass

d. id

The correct answer is: style



~~incorrect~~

Mark 0.00 out of
1.00

Refer the incomplete HTML Code given below

```
<table border="2" _____=10>
<!-- Line1-->
<tr> <th>Employee Name</th>
<th>Department</th> </tr>
<tr> <td>Jack</td>
<td>LKM</td> </tr>
<tr> <td>Ace</td><td>Delivery</td> </tr>
</table>
```

Identify the appropriate option to be placed at Line1 so that for each cell, there will be a space between the cell border and its respective content Choose most appropriate option.

Select one:

a. colspace

b. cellpadding

c. cellspacing

d. colspan

The correct answer is: cellpadding

CORRECT

Mark 1.00 out of
1.00

Refer the incomplete HTML code given below.

```
<input type="text" name="firstname" __Blank1__ = "5" />
```

It is required to restrict the maximum number of characters being entered in the above text box to 5. From the given option, identify the CORRECT option which can replace "___Blank1___" to meet the above requirement. Choose most appropriate option.

Select one:

- a. maxsize
- b. length
- c. size
- d. maxlength



The correct answer is: maxlength

~~incorrect~~

Mark 0.00 out of
1.00

How many cells will be created after executing the below HTML code?

```
<html>
<body>
<table border="1">
<tr> <td colspan="3"> Jack </td> </tr>
<tr> <td colspan="2"> Tom </td> <td> Mark </td> </tr>
<tr> <td rowspan="2"> John</td> <td> James</td> <td> Mary</td>
</tr>
<tr> <td> Helen</td> <td> Sam </td> </tr>
</table>
</body>
</html>
```

Select one:

a. 8

b. 10

c. 9

d. 7

Your answer is incorrect.

The correct answer is: 8

CORRECT

Mark 1.00 out of
1.00

SPOT THE ERROR:

Observe the below algorithm to find the average of three numbers.

Step1: Start

Step2: Get num1, num2, num3

Step3: Add num1, num2, num3 and store it in Sum

Step4: Average=sum%3

Step5: Display Sum and Average

Step6: Stop

Identify the incorrect step(if any)

Select one:

a. Step 4



b. Step 5

c. Step 2

d. No error

Your answer is correct.

The correct answer is: Step 4

CORRECT

Mark 1.00 out of
1.00

The properties of good program must have_____

Select one:

- a. Component dependence
- b. Fault Prevention and fault tolerance
- c. Poor Design for change
- d. Modules tightly connected

Your answer is correct.

The correct answer is:

Fault Prevention and fault tolerance

Correct

Mark 1.00 out of
1.00

Carefully read the question and answer accordingly. Which data structure is said to be linear data structure?

Select one:

a. Arrays



b. Tree

c. None of the listed options

d. Graphs

The correct answer is: Arrays



Correct

Mark 1.00 out of
1.00

Carefully read the question and answer accordingly. From the list of input elements one element is taken during each iteration to find its corresponding position. This idea of sorting is said to be _____.

Select one:

a. selection Sort

b. Bubble Sort

c. insertion sort



d. Merge sort

The correct answer is: insertion sort



Correct

Mark 1.00 out of
1.00

Time complexity of an algorithm signifies the total time required by the algorithm to complete its execution with provided resources. State True or False.

Select one:

True ✓

False

The correct answer is 'True'.



Correct

Mark 1.00 out of
1.00

What is the time complexity of below function?

```
void cal_fun(int m,int a[])
{
    int i=0,j=0;
    for(;i<m;++)
        while(j<m && a[i] < a[j])
            j++;
}
```

Select one:

a. $O(n)$



b. $O(n \log n)$

c. $O(n^2)$

d. $O(1)$

The correct answer is: $O(n)$

~~incorrect~~

Mark 0.00 out of
1.00

What is the time complexity of find_count()?

```
int find_count(int i)
{
    int c=0;
    for(int m=0;m<l;m++)
        for(int n=m;n>0;n--)
            c=c+1;
    return c;
}
```

Select one:

a. theta(n)



b. theta(n²)

c. theta(n*logn)

d. theta(n*logn*logn)

The correct answer is: theta(n²)





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Question 4

Not yet
answered

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1.00

Flag
question

Identify the RDBMS terminologies for a column.

Select one or more:

- a. Cardinality
- b. Relation
- c. Field
- d. Attribute



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tion

Consider the following set of relations.

DOCTOR (doctor_id,doctor_name,dept_id,salary)

DEPARTMENT(dept_id,dept_name,block_no)

Select the correct SQL query to find all the doctors whose departments are located in 5th block and salary is greater than or equal to Rs.30,000.

Select one or more:

- a. select doctor_name from doctor where salary >= 30,000 and dept_id in (select dept_id from dept where block_no = 5);
- b. select dept_id ,count(doctor_id) from doctor where salary >30,000 group by dept_id;
- c. None of the query is correct
- d. select doctor_name from doctor d1, dept d2 where d1.dept_id=d2.dept_id and block_no=5 and salary >=30000;



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uestions

Consider the following set of relations.

DOCTOR (doctor_id,doctor_name,dept_id,salary)

DEPARTMENT(dept_id,dept_name,block_no)

Select the correct SQL query to find all the doctors whose departments are located in 5th block and salary is greater than or equal to Rs.30,000.

Select one or more:

- a. select doctor_name from doctor d1, dept d2 where d1.dept_id=d2.dept_id and block_no=5 and salary >=30000;
- b. select doctor_name from doctor where salary >= 30,000 and dept_id in (select dept_id from dept where block_no = 5);
- c. None of the query is correct
- d. select dept_id ,count(doctor_id) from doctor where salary >30,000 group by dept_id;

Question

Not yet
answered

Marked out of
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Flag
question

Consider the query below.

```
SELECT model_no "Model Number", COUNT(*) "Number of Bikes Available"  
FROM bikes  
WHERE model = 'Benelli'  
GROUP BY model_no  
HAVING COUNT(*) > 20  
ORDER BY COUNT(*);
```

In the above statement, identify the correct order in which the query gets executed.

Select one:

- a. FROM, WHERE, HAVING, GROUP BY, SELECT, ORDER BY
- b. FROM, WHERE, GROUP BY, HAVING, ORDER BY, SELECT
- c. FROM, WHERE, GROUP BY, HAVING, SELECT, ORDER BY
- d. SELECT, FROM, WHERE, GROUP BY, HAVING, ORDER BY

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estion

Consider the query: `SELECT department_id, AVG(salary)FROM employees WHERE AVG(salary) > 8000 GROUP BY department_id;`

There is an error:

ORA-00934: group function is not allowed here. What will be the correct reason for the error?

Select one:

- a.
You cannot use group functions in the SELECT clause.
- b.
You cannot use group by clause without HAVING clause
- c.
All the options
- d.
You cannot use group functions in the WHERE clause.



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Assume we have created a table employees with the columns - employee_id, employee_name, salary, designation and department_id.

Which query displays department_id, maximum salary and average salary paid in each department. Display the details if the maximum salary is greater than 50000.

Select one:

- a. select department_id, max(salary), avg(salary) from employees group by department_id having max(salary) > 50000 ;
- b. select department_id, max(salary), avg(salary) from employees where max(salary) > 50000 group by department_id;
- c. select department_id, max(salary), avg(salary) from employees group by department_id where max(salary) > 50000 ;
- d. select department_id, max(salary), avg(salary) from employees having max(salary) >= 50000 group by department_id;

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Question
5

Not yet
answered

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Flag
question

Consider the following set of relations.

DOCTOR (doctor_id,doctor_name,dept_id,salary)

DEPARTMENT(dept_id,dept_name,block_no)

Select the correct SQL query to find all the doctors whose departments are located in 5th block and salary is greater than or equal to Rs.30,000.

Select one or more:

- a. select dept_id ,count(doctor_id) from doctor where salary >30,000 group by dept_id;
- b. None of the query is correct
- c. select doctor_name from doctor where salary >= 30,000 and dept_id in (select dept_id from dept where block_no = 5);
- d. select doctor_name from doctor d1,dept d2 where d1.dept_id=d2.dept_id and block_no=5 and salary >=30000;

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**Question
3**

Not yet
answered

Marked out of
1.00

 Flag
question

Consider the query: `SELECT department_id, AVG(salary)FROM employees WHERE AVG(salary) > 8000 GROUP BY department_id;`

There is an error:

ORA-00934: group function is not allowed here. What will be the correct reason for the error?

Select one:

- a.
All the options
- b.
You cannot use group by clause without HAVING clause
- c.
You cannot use group functions in the SELECT clause.
- d.
You cannot use group functions in the WHERE clause.



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**Question
1**

Not yet
answered

Marked out of
1.00

 Flag
question

A NULL is the same as zero or a space. State True/False.

Select one:

- a. True
- b. False

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Which SQL statement produces an error?

Select one:

- a. SELECT department_id, job_id, AVG(salary) FROM emp_dept_vu GROUP BY department_id, job_id;
- b. SELECT job_id, SUM(salary) FROM emp_dept_vu WHERE department_id IN (10,20) GROUP BY job_id HAVING SUM(salary) > 20000;
- c. SELECT * FROM emp_dept_vu;
- d. SELECT department_id, SUM(salary) FROM emp_dept_vu GROUP BY department_id;
- e. None of the statements produce an error; all are valid.

Question 6

Not yet
answered

Marked out of
1.00

Flag
question

Consider the following set of relations

DOCTOR (doctor_id,doctor_name,dept_id,salary)
DEPARTMENT(dept_id,dept_name,block_no)

Find out the illegal queries which will produce an error:

Select one or more:

- a. SELECT dept_id,doctor_name,COUNT(doctor_name)
FROM doctor group by dept_id order by dept_id desc;
- b. select doctor_id,doctor_name from doctor where salary > 10000;
- c. SELECT dept_id, doctor_name, dept_name, salary from doctor d join department d1 on d.dept_id=d1.dept_id
order by 1 asc;
- d. select doctor_name from doctor where doctor_name like '_a%';

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Next page

**Question
5**

Not yet
answered

Marked out of
1.00

Flag
question

_____ is the same as the Cartesian product between two tables?

Select one:

- a. OUTER JOIN
- b. NATURAL JOIN
- c. CROSS JOIN
- d. INNER JOIN

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[Next page](#)

Question 8

Not yet
answered

Marked out of
1.00

Flag
question

Which of the following function is used to join two strings?

Select one:

- a. LENGTH
- b. SUBSTR
- c. INITCAP
- d. CONCAT

Previous page

Question

1

Not yet
answered

Marked out of
1.00

 Flag
question

All DDL commands does _____ by default.

Select one:

- a.
auto-commit
- b.
All of the options
- c.
auto-grant
- d.
auto-rollback

Next page

**Question
10**Not yet
answeredMarked out of
1.00Flag
question

What is the sample query to display the employee number, names of clerks who earn a salary more than the lowest salary of any salesman from EMP table?

Select one:

- a.
select empno, ename from emp where job= 'CLERK' and sal>(select sal from emp where job='CLERK');
- b.
select empno, ename from emp where job= 'CLERK' and sal=(select max(sal) from emp);
- c.
select empno, ename from emp where job= CLERK and sal=(select max(sal) from emp where job='SALESMAN');
- d. select empno, ename from emp where job='CLERK' and sal > (select min(sal)
from emp where job='SALESMAN');

Quiz navigation

1	2	3	4
5	6	7	8

Finish attempt ...

Time left 0:11:39

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Question
2

Not yet
answered

Marked out of
1.00

Flag
question

Consider the query below.

```
SELECT model_no "Model Number", COUNT(*) "Number of Bikes Available"  
FROM bikes  
WHERE model = 'Benelli'  
GROUP BY model_no  
HAVING COUNT(*) > 20  
ORDER BY COUNT(*);
```

In the above statement, identify the correct order in which the query gets executed.

Select one:

- a. FROM, WHERE, GROUP BY, HAVING, ORDER BY, SELECT
- b. SELECT, FROM, WHERE, GROUP BY, HAVING, ORDER BY
- c. FROM, WHERE, HAVING, GROUP BY, SELECT, ORDER BY
- d. FROM, WHERE, GROUP BY, HAVING, SELECT, ORDER BY

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Next page

Question 3

Not yet
answered

Marked out of
1.00

Flag
question

Which SQL statement produces an error?

Select one:

- a. SELECT job_id, SUM(salary) FROM emp_dept_vu WHERE department_id IN (10,20) GROUP BY job_id HAVING SUM(salary) > 20000;
- b. SELECT department_id, job_id, AVG(salary) FROM emp_dept_vu GROUP BY department_id, job_id;
- c. None of the statements produce an error; all are valid.
- d. SELECT department_id, SUM(salary) FROM emp_dept_vu GROUP BY department_id;
- e. SELECT * FROM emp_dept_vu;

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**Question
1**

Not yet
answered

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1.00

 Flag
question

All DDL commands does _____ by default.

Select one:

- a.
All of the options
- b.
auto-commit
- c.
auto-rollback
- d.
auto-grant

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Quiz

1

6

Fin

Tim

Question 4

Answer saved

Marked out of

1.00

Flag
question

Identify the RDBMS terminologies for a column.

Select one or more:

- a. Attribute
- b. Field
- c. Cardinality
- d. Relation

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[Next page](#)

Question 9

Not yet
answered

Marked out of
1.00

Flag
question

Choose the correct query to display the details of the last 5 (least in salary) employees of the company.

Select one:

- a. SELECT DISTINCT SAL FROM EMP E WHERE 5 <= (SELECT COUNT(DISTINCT SAL) FROM EMP A WHERE A.SAL>=E.SAL) ORDER BY SAL;
- b. SELECT DISTINCT SAL FROM EMP E WHERE 5 >= (SELECT COUNT(DISTINCT SAL) FROM EMP A WHERE A.SAL>=E.SAL ORDER BY SAL;
- c. SELECT DISTINCT SAL FROM EMP E WHERE 5 >= (SELECT COUNT(DISTINCT SAL) FROM EMP A WHERE A.SAL<=E.SAL) ORDER BY SAL DESC;
- d. SELECT DISTINCT SAL FROM EMP E WHERE 5 <= (SELECT COUNT(DISTINCT SAL) FROM EMP A WHERE A.SAL<=E.SAL) ORDER BY SAL DESC;

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Question 10

Not yet
answered

Marked out of
1.00

 Flag
question

What is the sample query to display the employee number and names of salesmen who earn a salary more than the highest salary of any clerk.

Select one:

- a. select empno, ename from emp where job='SALESMAN' and sal>(select max(sal) from emp where job='CLERK');
- b. select empno, ename from emp where job= SALESMAN and sal=(select max(sal) from emp);
- c. select empno, ename from emp where job= 'SALESMAN' and sal<(select max(sal) from emp);
- d. select empno, ename from emp where job= 'SALESMAN' and sal=(select sal from emp where job='CLERK');

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[Finish attempt ...](#)

Question 2

Not yet
answered

Marked out of
1.00

 Flag
question

Assume we have created a table employees with the columns - employee_id,employee_name, salary, designation and department_id.

Which query displays department_id,maximum salary and average salary paid in each department. Display the details if the maximum salary is greater than 50000.

Select one:

- a.
select department_id, max(salary), avg(salary) from employees where max(salary) > 50000 group by department_id;
- b. select department_id, max(salary), avg(salary) from employees group by department_id having max(salary) > 50000 ;
- c.
select department_id, max(salary), avg(salary) from employees group by department_id where max(salary) > 50000 ;
- d.
select department_id, max(salary), avg(salary) from employees having max(salary) >= 50000 group by department_id;

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Question 7

Not yet
answered

Marked out of
1.00

Flag
question

Consider the query: SELECT employee_id, employee_name, salary * 12 'ANNUAL SALARY' FROM employees; There are few errors in this query. Identify them.

Select one:

- a.
Usage of single quotes in Column alias name which contains space.
- b.
Multiplication operator is incorrect.
- c. All the options
- d.
"AS" keyword is not used for column alias name

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**Question
5**

Not yet
answered

Marked out of
1.00

Flag
question

Which operator is NOT appropriate in the join condition of a non-equi join SELECT statement?

Select one:

- a. IN operator
- b. equal operator
- c. greater than or equal to operator
- d. BETWEEN x AND y operator
- e. LIKE operator

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Question 6

Not yet
answered

Marked out of
1.00

Flag
question

Consider the following set of relations

DOCTOR (doctor_id,doctor_name,dept_id,salary)
DEPARTMENT(dept_id,dept_name,block_no)

Find out the illegal queries which will produce an error:

Select one or more:

- a. select doctor_id,doctor_name from doctor where salary > 10000;
- b. select doctor_name from doctor where doctor_name like '_a%';
- c. SELECT dept_id, doctor_name, dept_name, salary from doctor d join department d1 on d.dept_id=d1.dept_id order by 1 asc;
- d. SELECT dept_id,doctor_name,COUNT(doctor_name)
FROM doctor group by dept_id order by dept_id desc;

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Question 2

Answer saved
Marked out of 1.00
 Flag question

Consider the query below.

```
SELECT model_no "Model Number", COUNT(*) "Number of Bikes Available"  
FROM bikes  
WHERE model = 'Benelli'  
GROUP BY model_no  
HAVING COUNT(*) > 20  
ORDER BY COUNT(*);
```

In the above statement, identify the correct order in which the query gets executed.

Select one:

- a. FROM, WHERE, GROUP BY, HAVING, SELECT, ORDER BY
- b. FROM, WHERE, GROUP BY, HAVING, ORDER BY, SELECT
- c. FROM, WHERE, HAVING, GROUP BY, SELECT, ORDER BY
- d. SELECT, FROM, WHERE, GROUP BY, HAVING, ORDER BY

Quiz navigation

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Question 4
Answer saved
Marked out of 1.00
 Flag question

Set of values permitted for each attribute of a relation, is called as_____.

Select one:

- a. Set
- b. Range
- c. Integrity
- d. Domain

Quiz navigation

1	2	3	4	5
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Finish attempt ...
Time left 0:02:53

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Question 8
Answer saved
Marked out of 1.00
 Flag question

Which of the following is not a character functions?

Select one:

a. MOD
 b. LOWER
 c. INITCAP
 d. SUBSTR

Quiz navigation

1	2	3	4	5
6	7	8	9	10

Finish attempt ...
Time left 0:02:33

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Question 7

In sorting columns, Null values are displayed for ascending order and for descending order.

Answer saved
Marked out of 1.00

Quiz navigation

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Time left 0:02:38

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Question 3

Answer saved
Marked out of 1.00
 Flag question

Consider the query: SELECT department_id, AVG(salary)FROM employees WHERE AVG(salary) > 8000 GROUP BY department_id;
There is an error:
ORA-00934: group function is not allowed here. What will be the correct reason for the error?

Select one:

a.
You cannot use group functions in the SELECT clause.

b.
You cannot use group functions in the WHERE clause.

c.
All the options

d.
You cannot use group by clause without HAVING clause

Quiz navigation

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6	7	8	9	10

Finish attempt ...
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Question 6

Answer saved
Marked out of 1.00
 Flag question

Consider the following set of relations.
DOCTOR (doctor_id, doctor_name, dept_id, salary)
DEPARTMENT(dept_id, dept_name, block_no)
Select the correct SQL query to find all the doctors whose departments are located in 5th block and salary is greater than or equal to Rs.30,000.

Select one or more:

a. select doctor_name from doctor where salary >= 30,000 and dept_id in (select dept_id from dept where block_no = 5);
 b. select doctor_name from doctor d1, dept d2 where d1.dept_id=d2.dept_id and block_no=5 and salary >=30000;
 c. select dept_id ,count(doctor_id) from doctor where salary >30,000 group by dept_id;
 d. None of the query is correct

Quiz navigation

1	2	3	4	5
6	7	8	9	10

Finish attempt ...
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Question 5

Answer saved
Marked out of 1.00
 Flag question

Which operator is NOT appropriate in the join condition of a non-equi join SELECT statement?

Select one:

- a. LIKE operator
- b. BETWEEN x AND y operator
- c. IN operator
- d. greater than or equal to operator
- e. equal operator

Quiz navigation

1	2	3	4	5
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Finish attempt ...
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Question 1

All DDL commands does _____ by default.

Answer saved
Marked out of 1.00
 Flag question

Select one:

- a. auto-rollback
- b. All of the options
- c. auto-grant
- d. auto-commit

Quiz navigation

1	2	3	4	5
6	7	8	9	10

Finish attempt ...
Time left 0:03:05

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**Question
7**

Not yet
answered

Marked out of
1.00

Flag
question

Consider the query: SELECT employee_id, employee_name, salary * 12 'ANNUAL SALARY' FROM employees; There are few errors in this query. Identify them.

Select one:

- a. Multiplication operator is incorrect.
- b. All the options
- c. "AS" keyword is not used for column alias name
- d. Usage of single quotes in Column alias name which contains space.



Finish attempt

Time left 0:12:4

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Question

not yet
answered

Marked out of
1.00

Flag
question

Choose the correct query to display the details of employees who draw the top 5 highest salaries in the company.

Select one:

a.

SELECT DISTINCT SAL FROM EMP E WHERE 5 >= (SELECT COUNT(DISTINCT SAL) FROM EMP A WHERE A.SAL>=E.SAL) ORDER BY SAL DESC;

b.

SELECT DISTINCT SAL FROM EMP E WHERE 5 <= (SELECT COUNT(DISTINCT SAL) FROM EMP A WHERE A.SAL<=E.SAL) ORDER BY SAL DESC;

c.

SELECT DISTINCT SAL FROM EMP E WHERE 5 >= (SELECT COUNT(DISTINCT SAL) FROM EMP A WHERE A.SAL>=E.SAL) ORDER BY SAL;

d.

SELECT DISTINCT SAL FROM EMP E WHERE 5 >= (SELECT COUNT(DISTINCT SAL) FROM EMP A WHERE A.SAL<=E.SAL) ORDER BY SAL DESC;

Quiz navigation



Finish attempt ...

Time left 0:11:49

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11:04 AM

**Question
4**Not yet
answeredMarked out of
1.00 Flag
question

Set of values permitted for each attribute of a relation, is called as _____.

Select one:

- a. Integrity
- b. Range
- c. Set
- d. Domain

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MARVELS QUIZ MCQs1

Question 1

Incorrect
Mark 0 out of 1

Flag question

Question text

The employee table contains EmployeeNumber, EmployeeName, Salary and DeptCode Columns. Which is the CORRECT SQL query to display DeptCode and average salary of each department? Choose most appropriate option.

Select one:

- a. SELECT DeptCode,avg(salary) FROM Employee;
- b. SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode;
- c. SELECT DeptCode,avg(salary) FROM Employee GROUP BY Salary;
- d. SELECT DeptCode,avg(salary) FROM Employee GROUP BY EmployeeNumber;

Feedback

The correct answer is: SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode;

Question 2

Incorrect
Mark 0 out of 1

Flag question

Question text

Which of the following statement(s) is/are TRUE?

- (i) In a non-correlated(independent) subquery, the subquery is always executed only once.
- (ii) In a non-correlated(independent) subquery, the inner query (sub query) references the column from the outer query (main query).

Choose most appropriate option

Select one:

- a. Neither (i) nor (ii)
- b. Only (ii)
- c. Both (i) and (ii)
- d. Only (i)

Feedback

MARVELS QUIZ MCQs1

The correct answer is: Only (i)

Question 3

Incorrect

Mark 0 out of 1

Flag question

Question text

Which is the CORRECT SQL Query to display names of employees which has only 3 letters that starts with 'A' and ends with 'e'? Choose most appropriate option.

Select one:

- a. SELECT EmployeeName FROM Employee WHERE EmployeeName = 'A_e';
- b. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A%e';
- c. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A_e';
- d. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE '__e';

Feedback

The correct answer is: SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A_e';

Question 4

Correct

Mark 1 out of 1

Flag question

Question text

Identify the CORRECT SQL statement(s) to remove ONLY the data from "Employee" table?

- (i) DROP TABLE Employee;
 - (ii) DELETE FROM Employee;
 - (iii) TRUNCATE TABLE Employee;
- Choose most appropriate option.

Select one:

- a. Both (i) and (iii)
- b. Both (ii) and (iii)
- c. (i), (ii) and (iii)
- d. Both (i) and (ii)

MARVELS QUIZ MCQs1

Feedback

The correct answer is: Both (ii) and (iii)

Question 5

Correct

Mark 1 out of 1

Flag question

Question text

Which of the following SQL commands is used to remove table "EMPLOYEE" present in the database? Choose most appropriate option.

Select one:

- a. DROP TABLE EMPLOYEE;
- b. REMOVE TABLE EMPLOYEE;
- c. TRUNCATE TABLE EMPLOYEE;
- d. DELETE TABLE EMPLOYEE;

Feedback

The correct answer is: DROP TABLE EMPLOYEE;

Question 6

Incorrect

Mark 0 out of 1

Flag question

Question text

Which of the following is CORRECT about DELETE command?

- a) It can delete single or multiple columns from a table
- b) It can delete single or multiple records from a table
- c) Records deleted can be roll backed.

Choose most appropriate option.

Select one:

- a. a only
- b. b and c
- c. a and c

MARVELS QUIZ MCQs1



d. a and b

Feedback

The correct answer is: b and c

Question 7

Partially correct
Mark 1 out of 1

Flag question

Question text

Assume that table Project is created using the DDL statement given below and has no records.

```
CREATE TABLE Project( projectId VARCHAR2(4) CONSTRAINT proj_pk PRIMARY KEY, projectName VARCHAR2(10) DEFAULT 'NA' CONSTRAINT proj_nn NOT NULL);
```

Identify the INSERT statements which would successfully insert record into Project table. Choose two most appropriate options.

Select one or more:

- a. INSERT INTO project(projectId,projectName) VALUES('P3', Null);
- b. INSERT INTO project(projectName,projectId) VALUES('NA','P4');
- c. INSERT INTO project VALUES('P1');
- d. INSERT INTO project(projectId) VALUES('P2');

Feedback

The correct answers are: INSERT INTO project(projectName,projectId) VALUES('NA','P4');
INSERT INTO project(projectId) VALUES('P2');

Question 8

Incorrect
Mark 0 out of 1

Flag question

Question text

Assume that table Employee is created with foreign key column managerid referring to empid column of same table and the following records are inserted.

EMPID	EMPNAME	MANAGERID
-------	---------	-----------

MARVELS QUIZ MCQs1

1001	James	NULL
1002	Mark	1001
1003	Mary	1002
1004	Mark	1001

How many rows will be deleted after executing the below DML statement? DELETE FROM employee WHERE empid=1001; Choose most appropriate option.

Select one:

- a. Error: Integrated constraint violated. Child record found
- b. 3
- c. 1
- d. 2

Feedback

The correct answer is: Error: Integrated constraint violated. Child record found

Question 9

Correct

Mark 1 out of 1

[Flag question](#)

Question text

Consider the table Projects, has following records.

ProjectId Start_date

100 12-Jan-2017

Which of the following SQL statement retrieve the output as follows?

Start_date

JAN, 12-2017

Choose most appropriate option.

Select one:

- a. SELECT TO_CHAR(Start_date,'MMM, DD-YYYY') FROM Projects;
- b. SELECT TO_DATE(Start_date,'MON, DD-YYYY') FROM Projects;
- c. SELECT TO_CHAR(Start_date,'MON, DD-YYYY') FROM Projects;
- d. SELECT TO_DATE(Start_date,'MMM, DD-YYYY') FROM Projects;

Feedback

MARVELS QUIZ MCQs1

The correct answer is: SELECT TO_CHAR(Start_date,'MON, DD-YYYY') FROM Projects;

Question 10

Incorrect

Mark 0 out of 1

Flag question

Question text

Consider table Students(sid NUMBER(3),sname VARCHAR2(10),scontact NUMBER(10)) is already created in the database.

It is required to change the data type of the column "scontact" to VARCHAR2(15).

Which of the following is Correct for the above requirement?

Note: sid column is primary key. Choose most appropriate option.

Select one:

- a. It is not possible to change the data type of a column
- b. Data type can be changed only for primary key column
- c. To change the data type of a column, it is important to ensure that the corresponding column is not having data for any of the record
- d. There are no criteria to be followed. We can change the datatype of the column irrespective of the data

Feedback

The correct answer is: To change the data type of a column, it is important to ensure that the corresponding column is not having data for any of the record

Question 11

Correct

Mark 1 out of 1

Flag question

Question text

Which of the following can be created as a table level constraint?

- (i) primary Key
- (ii) foreign key
- (iii) unique

Choose most appropriate option.

MARVELS QUIZ MCQs1

Select one:

- a. (i) and (ii)
- b. (i) only
- c. (i) and (iii)
- d. (i), (ii) and (iii)

Feedback

The correct answer is: (i), (ii) and (iii)

Question 12

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

Which of the following statement(s) is/are TRUE?

- (i) In a correlated subquery, the subquery is always executed only once.
- (ii) In a correlated subquery, the inner query (sub query) references the column from the outer query (main query).

Choose most appropriate option.

Select one:

- a. Only (ii)
- b. Both (i) and (ii)
- c. Neither (i) nor (ii)
- d. Only (i)

Feedback

The correct answer is: Only (ii)

Question 13

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

Consider the following tables:

MARVELS QUIZ MCQs1

Vendor (VendorId, VendorName, PhoneNumber). Here VendorId is the primary key.
Item (ItemCode, UnitPrice, QuantityOnHand, VendorId) Here ItemCode is the primary key and VendorId is the foreign key referencing the VendorId in Vendor Table.

Which is the CORRECT SQL query to display ItemCode, UnitPrice, VendorName for all Items. It should also display the details of the Item which is not having any vendor?

Choose most appropriate option

Select one:

- a. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId AND Item.VendorId IS NULL;
- b. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId;
- c. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId;
- d. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item, Vendor WHERE Item.VendorId = Vendor.VendorId;

Feedback

Your answer is incorrect.

The correct answer is: SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId;

Question 14

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

Consider the tables given below.

Emp(empid, empname,salary,deptid)

Dept(deptid,deptname)

Note: deptid column of table Emp referring to deptid column of table Dept.

Identify the correct SQL statement to retrieve employees who are getting more than 25000 salary and working in "FINANCE" department.

Choose most appropriate option.

Select one:

- a. SELECT * FROM Emp WHERE deptid=(SELECT deptid FROM Dept WHERE deptname='FINANCE') AND salary>25000;
- b. SELECT * FROM Emp WHERE deptid=(SELECT * FROM Dept WHERE deptname='FINANCE' AND salary > 25000);
- c. SELECT * FROM Emp WHERE deptid=(SELECT deptid FROM Dept WHERE deptname='FINANCE' AND salary>25000);

MARVELS QUIZ MCQs1

- d. SELECT * FROM Emp WHERE deptid=(SELECT * FROM Dept WHERE deptname='FINANCE') AND salary>25000;

Feedback

Your answer is incorrect.

The correct answer is: SELECT * FROM Emp WHERE deptid=(SELECT deptid FROM Dept WHERE deptname='FINANCE') AND salary>25000;

Question 15

Correct

Mark 1 out of 1

Flag question

Question text

Consider the below tables.

Event(eventId,eventName) – eventId is primary key

Employee(empld, empName, eventId) – empld is primary key and eventId is foreign key referring to Event table.

Identify the correct SQL statement to retrieve empid, empname and eventName for all employees. If employee has not registered for an event then it should display 'Not Registered'.

Select one:

- a. SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM event e2 INNER JOIN employee e1 ON e2.eventId=e1.eventId;
- b. SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 RIGHT OUTER JOIN event e2 ON e1.eventId=e2.eventId;
- c. SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM event e2 LEFT OUTER JOIN employee e1 ON e2.eventId=e1.eventId;
- d. SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 LEFT OUTER JOIN event e2 ON e1.eventId=e2.eventId;

Feedback

Your answer is correct.

The correct answer is: SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 LEFT OUTER JOIN event e2 ON e1.eventId=e2.eventId;

Question 16

Correct

Mark 1 out of 1

Flag question

MARVELS QUIZ MCQs1

Question text

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int i=0;
        for(i=0; i<10; i++)
        {
            if(i == 5)
            {
                continue;
            }
            i++;
            System.out.print(i + " ");
        }
    }
}
```

Choose the most appropriate option.

Select one:

- a. 1 2 3 4 and then program will get into infinite loop
- b. 1 3 5 7 9
- c. 1 2 3 4 6 7 8 9
- d. 1 2 3 4 5 6 7 8 9

Feedback

The correct answer is: 1 3 5 7 9

Question 17

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

Identify the appropriate relationship between the classes House and Room. Assume that getter and setter methods for all instance variables are implemented

```
class Room
{
    private int length;
    private float width;
}
class House
{
    private float area;
    private Room room;
    public House()
    {
```

MARVELS QUIZ MCQs1

```
    room=new Room();
}
}
```

Choose the most appropriate option

Select one:

- a. No relationship exists between class House and class Room
- b. Specialization
- c. Aggregation
- d. Composition

Feedback

The correct answer is: Composition

Question 18

Incorrect

Mark 0 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int i;
        for(i = 1; i <=3; i++)
        {
            System.out.println(i);
        }
        System.out.println(i);
    }
}
```

Choose the most appropriate option.

Select one:

- a. 1 to 4 will be displayed on the console
- b. 1 to 3 will be displayed on the console
- c. 4 will be displayed twice on the console
- d. 3 will be displayed twice on the console

Feedback

The correct answer is: 4 will be displayed twice on the console

MARVELS QUIZ MCQs1

Question 19

Correct

Mark 1 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
public class Rectangle
{
    private int length;
    private int width;
    public static void main(String[] args)
    {
        Rectangle rectangle1 = new Rectangle();
        rectangle1.length=10;
        rectangle1.width=5;
        Rectangle rectangle2 = rectangle1;
        System.out.println("Length : "+rectangle2.length);
        System.out.println("Width : "+rectangle2.width);
    }
}
```

Choose the most appropriate option.

Select one:

- a. Length: 5 Width: 10
- b. Length : 10 Width : 5
- c. Length : 0 Width : 0
- d. Length : null Width : null

Feedback

The correct answer is: Length : 10 Width : 5

Question 20

Correct

Mark 1 out of 1

Flag question

Question text

Consider the Java code given below. How many times ";Hello "; will be printed when the code is executed?

```
public class ApplicationTester
```

MARVELS QUIZ MCQs1

```
{  
    public static void main(String[] args)  
    {  
        int i = 0;  
        do  
        {  
            System.out.println("Hello");  
            i++;  
        } while(i <= 1);  
    }  
}
```

Choose the most appropriate option.

Select one:

- a. 2 times
- b. Nothing will be printed
- c. 1 time
- d. 3 times

Feedback

The correct answer is: 2 times

Question 21

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

What will be the output of the following Java code?

```
class StringSample  
{  
    public StringSample(String string)  
    {  
        System.out.println("The string is " + string);  
    }  
}  
public class ConstructorTester1  
{  
    public static void main(String[] args)  
    {  
        StringSample stringSample = new StringSample();  
        StringSample stringSample1 = new StringSample("Test String");  
    }  
}
```

Choose the most appropriate option.

Select one:

- a. The string is null

MARVELS QUIZ MCQs1

- b. The string is Test String
- c. Compilation Error: The constructor StringSample() is undefined
- d. The string is null The string is Test String

Feedback

The correct answer is: Compilation Error: The constructor StringSample() is undefined

Question 22

Incorrect

Mark 0 out of 1

Flag question

Question text

which of the following represents correct order from the most to least restrictive? Choose most appropriate option.

Select one:

- a. protected,private,default,public
- b. private,default,proctected,public
- c. public,protected,default,private
- d. private,protected,default,public

Feedback

The correct answer is: private,default,proctected,public

Question 23

Correct

Mark 1 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
public class StringTester
{
    public static void main(String[] args)
    {
        String s1=new String("Accenture");
        String s2=new String("India Limited");
        s1.concat(s2);
        System.out.println(s1);
```

MARVELS QUIZ MCQs1

```
}
```

Choose the most appropriate option.

Select one:

- a. Accenture India
- b. Accenture
- c. India Limited
- d. Accenture India Limited

Feedback

The correct answer is: Accenture

Question 24

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

```
class Test
{
static
{
    System.out.println("A");
}
}
public class Demo
{
static
{
    System.out.println("B");
}
public static void main(String[] args)
{
    Test t=new Test();
}
static
{
    System.out.println("D");
}
}
```

Choose the most appropriate option.

Select one:

- a. A B D
- b. B D A
- c. B A D

MARVELS QUIZ MCQs1



d. A D B

Feedback

The correct answer is: B D A

Question 25

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

What is the output of the below code?

```
public class Calculator
{
    public static void main(String[] args)
    {
        int result = 0;
        Calculator calculator = new Calculator();
        calculator.add(10, 20, result);
        System.out.println("Result : " + result);
    }
    public void add(int num1, int num2, int result)
    {
        result = num1 + num2;
    }
}
```

Choose the most appropriate option.

Select one:

- a. Result : 30
- b. Result: 20
- c. Result : 0
- d. Result : null

Feedback

The correct answer is: Result : 0

Question 26

Incorrect

Mark 0 out of 1

[Flag question](#)

MARVELS QUIZ MCQs1

Question text

Observe the below code,

```
public class MyClass
{
    public int display(int num1, float num2)
    {
        return 0;
    }
    public double display(String name, int salary)
    {
        return 0.0;
    }
//Line 1
}
```

Which of the below function can be inserted at line 1 so that the code compiles successfully.

Select one:

- a. public void display(int num1, String num2){ }
- b. public double display(String empName, int empld){ return 0.0; }
- c. public String display(String name, int salary){ return success; }
- d. public float display(int num1, float num2){ return 0.0f; }

Feedback

The correct answer is: public void display(int num1, String num2){ }

Question 27

Correct

Mark 1 out of 1

[Flag question](#)

Question text

What will be the output of the following code:

```
public class Test
{
    public static void main(String[] args)
    {
        int number=20;
        switch(number)
        {
            case 10: System.out.println("10");
            break;
            case 20: System.out.println("20");
            case 30: System.out.println("30");
            break;
            default: System.out.println("Not in 10, 20 or 30");
        }
    }
}
```

MARVELS QUIZ MCQs1

Choose most appropriate option.

Select one:

- a. invalid switch statement
- b. 20 30
- c. 30
- d. 20

Feedback

The correct answer is: 20 30

Question 28

Correct

Mark 1 out of 1

[Flag question](#)

Question text

What will be the output of the following Java code?

```
public class Employee
{
    private String mailId;
    public void setEmailId(String mailId)
    {
        this.mailId = mailId;
    }
    public String getEmailId()
    {
        return this.mailId;
    }
}
public class UtilityClass
{
    public static void updateEmailId(Employee emp)
    {
        emp.setEmailId("xyz@accenture.com");
    }
}
public class ApplicationTester { public static void main(String[] args)
{
    Employee employee1 = new Employee();
    employee1.setEmailId("abc@gmail.com");
    UtilityClass.updateEmailId(employee1);
    //Line-1
    System.out.println(employee1.getEmailId());
}}
```

Choose the most appropriate option.

Select one:

MARVELS QUIZ MCQs1

- a. null
- b. xyz@accenture.com
- c. abc@gmail.com
- d. Compilation error at Line-1: Invalid method call 'UtilityClass.updateEmailId(String) '

Feedback

The correct answer is: xyz@accenture.com

Question 29

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

What will be the output of the following Java code?

```
public class MyClass
{
    private static int data;
    static
    {
        MyClass.data = 999;
    }
    public static int getData()
    {
        return data;
    }
    public static void setData(int data)
    {
        MyClass.data = data;
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        MyClass ref1 = new MyClass();
        MyClass ref2 = new MyClass();
        System.out.print(ref1.getData());
        ref2.setData(111);
        System.out.println(" " + ref1.getData());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 0 111
- b. 999 999
- c. 999 111

MARVELS QUIZ MCQs1



d. 111 111

Feedback

The correct answer is: 999 111

Question 30

Incorrect

Mark 0 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int[] array = {11,22,33,44,55,11};
        int searchNumber = 11, position=999;
        for(int index=0; index < array.length; index++)
        {
            if(searchNumber == array[index])
            {
                position = index;
            }
            System.out.println(position);
        }
    }
}
```

Choose the most appropriate option.

Select one:

- a. 0
- b. 1
- c. 5
- d. 6

Feedback

The correct answer is: 5

Question 31

Incorrect

Mark 0 out of 1

Flag question

MARVELS QUIZ MCQs1

Question text

What will be the output of the following Java code?

```
public class BaseClass
{
    public static void method()
    {
        System.out.println("1");
    }
}
public class DerivedClass extends BaseClass
{
    public static void method()
    {
        System.out.println("2");
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        BaseClass ref = new DerivedClass();
        ref.method();
        //Line-1
    }
}
```

Choose the most appropriate option.

Select one:

- a. 1
- b. Program will display both 1 and 2
- c. 2
- d. Compilation error at Line-1: Ambiguous method call 'ref.method()'

Feedback

The correct answer is: 1

Question 32

Incorrect

Mark 0 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
public class LocalVariableTester
{
    public static void main(String[] args)
    {
        int data1=8, data2;
```

MARVELS QUIZ MCQs1

```
if(data1 >= 10)
{
    data2 = 20;
}
System.out.println(data1 + " " + data2);
}
```

Choose the most appropriate option

Select one:

- a. 10 null
- b. 10 0
- c. Compilation error: The local variable 'data2' may not have been initialized
- d. 10 20

Feedback

The correct answer is: Compilation error: The local variable 'data2' may not have been initialized

Question 33

Correct

Mark 1 out of 1

[Flag question](#)

Question text

What will be the output of the following Java code?

```
class Test extends Throwable { }
class Base extends Test {}
public class Main {
    public static void main(String args[]) {
        try {
            throw new Base();
        }
        catch(Test t) {
            System.out.println("Test Exception");
        }
        finally {
            System.out.println("Finally block ");
        }
    }
}
```

Select one:

- a. Compilation error: Test Class can't extend Throwable
- b. print - "Test Exception"
- c. print - "Test Exception" "Finally block "
- d. Compilation error : Bass calss can't extends Test

MARVELS QUIZ MCQs1

Feedback

The correct answer is: print - "Test Exception" "Finally block "

Question 34

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

What is the output of the following code?

```
class Account
{
    int balance;
    public void createAccount()
    {
        balance = 1000;
    }
    public int getMinimumBalance()
    {
        return balance;
    }
}
class SalaryAccount extends Account
{
private String companyName;
public SalaryAccount(String companyName)
{
this.companyName = companyName;
}
public void createAccount()
{
balance = 500;
}
public void checkCompany()
{
if (companyName.equalsIgnoreCase("Accenture"))
{
balance = 0;
}
}
}
public class MainClass
{
    public static void main(String[] args)
    {
        Account account = new SalaryAccount("Accenture");
        account.createAccount();
        System.out.println("Balance : " + account.getMinimumBalance());
        account.checkCompany();
        System.out.println("Balance : " + account.getMinimumBalance());
    }
}
```

Choose the most appropriate option.

MARVELS QUIZ MCQs1

Select one:

- a. Balance: 500 Balance: 0
- b. Balance: 1000 Balance: 0
- c. Compilation Error: The method checkCompany() is undefined for the type Account
- d. Balance: 1000 Balance: 500

Feedback

The correct answer is: Compilation Error: The method checkCompany() is undefined for the type Account

Question 35

Correct

Mark 1 out of 1

[Flag question](#)

Question text

What will be the output of the following Java code?

```
Employee.java public class Employee
{
    private double salary;
    public Employee()
    {
        this.salary = 10000.0;
    }
    public static void updateSalary(Employee emp)
    {
        emp.salary = emp.salary + 10000.0;
        //Line-1
    }
    public double getSalary()
    {
        return this.salary;
    }
}
ApplicationTester .java public class ApplicationTester
{
    public static void main(String[] args)
    {
        Employee emp1 = new Employee();
        Employee emp2 = new Employee();
        Employee.updateSalary(emp1);
        System.out.println(emp1.getSalary() + " " + emp2.getSalary());
    }
}
```

Choose the most appropriate option.

Select one:

- a. Compilation error at Line-1: Cannot 'emp.salary' in a static context
- b. 20000.0 10000.0

MARVELS QUIZ MCQs1

- c. 10000.0 10000.0
- d. 0.0 10000.0

Feedback

The correct answer is: 20000.0 10000.0

Question 36

Correct
Mark 1 out of 1

[Flag question](#)

Question text

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int[] array = {-9,-11-8,-100,-78};
        int minimum = 0;
        for(int index=0; index < array.length; index++)
        {
            if(minimum < array[index])
            { minimum = array[index];
            }
        }
        System.out.println(minimum);
    }
}
```

Choose the most appropriate option.

Select one:

- a. -8
- b. 0
- c. null
- d. -100

Feedback

The correct answer is: 0

Question 37

Correct
Mark 1 out of 1

MARVELS QUIZ MCQs1

Flag question

Question text

Refer the incomplete code given below.

```
<style>
  #firstname {
    background-color: yellow;
    color:red;
  }
</style>
<input type=text <strong>__Blank1__</strong>='firstname'>
```

Choose the CORRECT attribute which if replaces '__Blank1__' will apply the CSS to text box.

Choose most appropriate option.

Select one:

- a. id
- b. style
- c. styleclass
- d. class

Feedback

Your answer is correct.

The correct answer is: id

Question 38

Incorrect

Mark 0 out of 1

Flag question

Question text

which of the following code creates a list box from which user can select more than one option?

Select one:

- a. <select type=multiple>
<option> P </option>
<option> G </option>

MARVELS QUIZ MCQs1

- a. <option> S </option>
</select>
- b. <select name='type' multiValue>
<option> P </option>
<option> G </option>
<option> S </option>
</select>
- c. <select type=multiValue>
<option> P </option>
<option> G </option>
<option> S </option>
</select>
- d. <select name='type' multiple>
<option> P </option>
<option> G </option>
<option> S </option>
</select>

Feedback

Your answer is incorrect.

The correct answer is: <select name='type' multiple>
<option> P </option>
<option> G </option>
<option> S </option>
</select>

Question 39

Correct

Mark 1 out of 1

[Flag question](#)

Question text

which of the following is block level html tags?

Select one:

- a.
- b. <a>
- c. <h6>
- d. <i>

Feedback

Your answer is correct.

The correct answer is: <h6>

MARVELS QUIZ MCQs1

Question 40

Correct

Mark 1 out of 1

Flag question

Question text

Johana wants to display "Welcome to JS!!" as a pop up message using JavaScript. Which of the following suits her requirement?

Select one:

- a. alert(Welcome to JS!!);
- b. alertmsg("Welcome to JS!!");
- c. alert("Welcome to JS!!");
- d. alertBox("Welcome to JS!!");

Feedback

The correct answer is: alert("Welcome to JS!!");

Question 41

Incorrect

Mark 0 out of 1

Flag question

Question text

Identify the CORRECT HTML code to define the state of the hyperlink. The requirement is to display the hyperlink "Click" in RED color if user has already visited "https://portal.accenture.com". Choose most appropriate option.

Select one:

- a. <html>
<body vlink="red" >
Click
</body>
</html>
- b. <html>
<body link="red" >
 Click
</body>
</html>

MARVELS QUIZ MCQs1

- c. <html>
<body>
 Click
</body>
</html>
- d. <html>
<body>
 Click
</body>
</html>

Feedback

The correct answer is: <html>
<body vlink="red" >
Click
</body>
</html>

Question 42

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

```
<!DOCTYPE html>
<html>
<body>
<script>
var x = (3 + 3) + 4 + "6"; alert(x); //line 1
</script>
</body>
</html>
```

What will be printed in alert box in line 1? Choose most appropriate option.

Select one:

- a. 16
 b. 106
 c. 3346
 d. 646

Feedback

The correct answer is: 106

Question 43

Correct

Mark 1 out of 1

MARVELS QUIZ MCQs1

Flag question

Question text

Refer the incomplete HTML Code given below

```
<table border="2" _____ =10>
<tr> <th>Employee Name</th>
<th>Department</th> </tr>
<tr> <td>Jack</td>
<td>LKM</td> </tr>
<tr> <td>Ace</td><td>Delivery</td> </tr>
</table>
```

Identify the appropriate option to be placed in the spaceso that for each cell, there will be a space between the cell border and its respective content Choose most appropriate option.

Select one:

- a. cellpadding
- b. colspan
- c. cellspacing
- d. colspace

Feedback

The correct answer is: cellpadding

Question 44

Correct

Mark 1 out of 1

Flag question

Question text

What would be the Output of the below java script Code?

```
<html> <body>
<script>
  var x = 5; var d = (x != "5");
document.write(d + "--");
d = (x === "5"); document.write(d);
</script> </body>
</html>
```

Choose most appropriate option.

Select one:

- a. true--false

MARVELS QUIZ MCQs1

- b. false--false
- c. true--true
- d. false--true

Feedback

The correct answer is: false--false

Question 45

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

Refer the code below:

```
<table border="2">
<tr> <th colspan="3"> Employee Details</th></tr>
<tr> <th>Employee Name</th> <th>Department</th> </tr>
<tr> <td>Jack</td> <td>LKM</td> </tr>
<tr> <td>Ace</td><td rowspan="2">Delivery</td> </tr>
<tr> <td>Justin</td> </tr>
</table>
```

How many cells will be displayed when the page is displayed on the browser? Choose most appropriate option.

Select one:

- a. 8
- b. 10
- c. 7
- d. 9

Feedback

The correct answer is: 8

Question 46

Correct

Mark 1 out of 1

[Flag question](#)

Question text

MARVELS QUIZ MCQs1

In HTML, Which of the following is used to merge columns in a table? Choose most appropriate option.

Select one:

- a. colspan
- b. columns-span
- c. cspan
- d. columnspan

Feedback

The correct answer is: colspan

Question 47

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

What would be the color of the text "Bengaluru" and "India" while executing the below html and css code? Assume that "Black" is the default color if there is no style applied.

```
<html>
  <head>
    <style>
      p{ color:red; } .c1{ color:green; }
    </style>
  </head>
  <body>
    <p> Bengaluru </p> <p class="c1"> India </p>
  </body>
</html>
```

Choose most appropriate option.

Select one:

- a. Bengaluru - Red,India - Red
- b. Bengaluru - Red,India - Black
- c. Bengaluru - Red,India - Green
- d. Bengaluru - Black,India - Black

Feedback

The correct answer is: Bengaluru - Red,India - Green

Question 48

Correct

Mark 1 out of 1

MARVELS QUIZ MCQs1

Flag question

Question text

What would be the output of the Javascript code given below?

```
<html>
<body>
<script>
var num1=100;
function test(){
    num2=200;
    var num1=300;
    num1=num2;
}
test();
document.write(num1 + "-" +num2);
</script>
</body>
</html>
```

Select one:

- a. 300-200
- b. 300-100
- c. 100-200
- d. 200-200

Feedback

Your answer is correct.

The correct answer is: 100-200

Question 49

Incorrect

Mark 0 out of 1

Flag question

MARVELS QUIZ MCQs1

Question text

How many cells will be created after executing the below HTML code?

```
<html>
<body>
<table border="1">
<tr> <td colspan="3"> Jack </td> </tr>
<tr> <td colspan="2"> Tom </td> <td> Mark </td> </tr>
<tr> <td rowspan="2"> John</td> <td> James</td> <td> Mary</td> </tr>
<tr> <td> Helen</td> <td> Sam </td> </tr>
</table>
</body>
</html>
```

Select one:

- a. 10
- b. 8
- c. 9
- d. 7

Feedback

Your answer is incorrect.

The correct answer is: 8

Question 50

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

Consider the HTML code given below.

```
<html>
<head>
<script>
var key=10;
function add(){
```

MARVELS QUIZ MCQs1

```
var key=20;  
window.key=key+1;  
document.write(key);  
document.write(" ");  
print();  
}  
function print(){  
    document.write(key);  
}  
</script>  
</head>  
<body>  
<form>  
    <input type="submit" onclick="add()" />  
</form>  
</body>  
</html>
```

What will be displayed after executing the above code?

Choose the most appropriate option.

Select one:

- a. 11 11
- b. 11 10
- c. 20 21
- d. 21 21

Feedback

Your answer is incorrect.

The correct answer is: 20 21

MARVELS QUIZ MCQS2

Question 1

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

A class Student and its subclass Hostler both have a method payFees() as part of their class definition. What will the following code do?

```
Hostler h = new Hostler();  
h.payFees();
```

Select one:

- a. The payFees() method defined in Hostler will be called.
- b. The payFees() method defined in Student will be called.
- c. Overloading will be used to pick which payFees() is called.
- d. The compiler will complain that payFees() has been defined twice.

Feedback

The correct answer is: The payFees() method defined in Hostler will be called.

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Method Overriding shows static polymorphism.

Select one:

- True
- False

Feedback

The correct answer is 'False'.

Question 3

Incorrect

MARVELS QUIZ MCQS2

Mark 0.00 out of 1.00

Flag question

Question text

Nullpointer Exception and Logical Exception are not Exceptions in Java.

Select one:

- True
- False

Feedback

The correct answer is 'True'.

Question 4

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Predict the output:

```
public class Topper
{
    public static void check() {
        this.display();
    }
    public static void display() {
        System.out.println("Welcome to Java");
    }
    public static void main(String args []) {
        check();
    }
}
```

Select one:

- a. Welcome to Java
- b. An exception is raised stating that the variable this can only be used within an instance
- c. Runtime error
- d. Compile time error

Feedback

MARVELS QUIZ MCQS2

The correct answer is: Compile time error

Question 5

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What is the correct way for a method to indicate that it expects the caller to handle an Exception?
Assuming that the method contains code which may raise an Exception (but not a RuntimeException).

Select one:

- a. throws Exception
- b. new Exception
- c. Don't need to specify anything
- d. throw Exception

Feedback

The correct answer is: throws Exception

Question 6

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What will happen if you attempt to compile and run the following code?

```
Integer i=new Integer(15);
Long l=new Long (10);
System.out.println(i + 1);
int check=1;
System.out.println(check + i);
```

Select one:

- a. 25
16
- b. 15
16

MARVELS QUIZ MCQS2

- c. 25
- 26
- d. Error: Can't convert java.lang.Integer

Feedback

The correct answer is: 25
16

Question 7

Correct
Mark 1.00 out of 1.00

Flag question

Question text

Predict the output:

```
int arr[];  
int i = 0;  
arr = new int[5];  
while (i < 5)  
{  
    arr[i] = 10;  
    i = i + 1;  
}  
System.out.println(arr[4]);
```

Select one:

- a. unknown
- b. 3
- c. 0
- d. 10

Feedback

The correct answer is: 10

Question 8

Incorrect
Mark 0.00 out of 1.00

Flag question

Question text

MARVELS QUIZ MCQS2

```
String str= new String("Hello World");
```

Which of the following calls are valid?

- (A) str.trim()
- (B) str.replace('o', 'A')
- (C) str.substring(3)
- (D) str.toUpperCase()
- (E) str.setCharAt(1,'A')
- (F) str.append("xyz")

Select one:

- a. (A), (B), (C) & (D)
- b. (A), (B) & (C)
- c. (A), (C), (D) & (E)
- d. (C), (D) & (E)
- e. (D) & (E)

Feedback

The correct answer is: (A), (B) & (C)

Question 9

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Predict the output:

```
interface X
{
    void display();
}
interface Y extends X
{
    void print();
}

class Employee implements Y
{
    public void display() {
        System.out.print("John ");
    }
    public void print() {
        System.out.print("Mathew");
    }
}

public class TestMain {

    public static void main(String[] args) {
```

MARVELS QUIZ MCQS2

```
Employee e = new Employee();
e.display();
e.print();
}
}
```

Select one:

- a. John Mathew
- b. John
- c. Complie Time Error
- d. Mathew

Feedback

The correct answer is: John Mathew

Question 10

Correct

Mark 1.00 out of 1.00

Flag question

Question text

How do we change the state of an object ?

Select one:

- a. Using object's property
- b. Using Object's default methods
- c. Using object's behavior
- d. Using class name

Feedback

The correct answer is: Using object's behavior

Question 11

Correct

Mark 1.00 out of 1.00

Flag question

Question text

MARVELS QUIZ MCQS2

What is the term used to define the values that are common across all instances of a class ?

Select one:

- a. Attribute
- b. Interface
- c. Property
- d. Static

Feedback

The correct answer is: Static

Question 12

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Select the principle that best describes the given scenario. The airline ticket booking clerk manages the available seats, dates, passenger information, etc while the mechanic maintains information like flight performance, fuel consumption, service intervals, etc

Select one:

- a. Encapsulation
- b. Polymorphism
- c. Abstraction
- d. Typing

Feedback

The correct answer is: Abstraction

Question 13

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Select the true statements about Use Case diagram ?

Select one or more:

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- a. Captures dynamic aspects of the system
- b. Captures attributes and methods
- c. Depicts the boundary of the system
- d. Captures users of the system

Feedback

The correct answers are: Depicts the boundary of the system, Captures users of the system, Captures dynamic aspects of the system

Question 14

Incorrect

Mark 0.00 out of 1.00

[Flag question](#)

Question text

Select the benefits of OOP ?

Select one or more:

- a. Ease of design
- b. Testing
- c. code deployment
- d. Resuability

Feedback

The correct answers are: Ease of design, Resuability

Question 15

Incorrect

Mark 0.00 out of 1.00

[Flag question](#)

Question text

Select the multiplicity between passenger and train reservation ticket? What is the multiplicity of passenger ?

Select one:

- a. 1..*
- b. 1

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- c. 0..*
- d. 0..1

Feedback

The correct answer is: 1

Question 16

Incorrect
Mark 0.00 out of 1.00

Flag question

Question text

The properties of good program must have_____

Select one:

- a. Modules tightly connected
- b. Fault Prevention and fault tolerance
- c. Poor Design for change
- d. Component dependence

Feedback

Your answer is incorrect.

The correct answer is:
Fault Prevention and fault tolerance

Question 17

Correct
Mark 1.00 out of 1.00

Flag question

Question text

A program is said to be_____, if it optimizes the amount of memory and processing time.

Select one:

- a. robust
- b. modular

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- c. efficient
- d. documented

Feedback

The correct answer is: efficient

Question 18

Correct
Mark 1.00 out of 1.00

Flag question

Question text

Steve is learning to draw a flowchart to calculate the volume of a cuboid. Which of the options given below would fit into the process section of the flow chart?

Select one:

- a. Volume= $l*b*h$
- b. display the volume of the cuboid
- c. Read the value of l,b,h(l represents the length, b represents the breadth, h represents the height)
- d. check if l,b,h have positive value

Feedback

Your answer is correct.

The correct answer is: Volume= $l*b*h$

Question 19

Correct
Mark 1.00 out of 1.00

Flag question

Question text

Carefully read the question and answer accordingly. Which data structure is said to be linear data structure?

Select one:

- a. Graphs
- b. Arrays

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- c. None of the listed options
- d. Tree

Feedback

The correct answer is: Arrays

Question 20

Correct
Mark 1.00 out of 1.00

Flag question

Question text

Carefully read the question and answer accordingly. What operation is processed for each element in the list

Select one:

- a. Sorting
- b. Traversal
- c. Merging
- d. Inserting

Feedback

The correct answer is: Traversal

Question 21

Correct
Mark 1.00 out of 1.00

Flag question

Question text

Which algorithm is the best sorting method in-place with no quadratic worst-case scenarios?

Select one:

- a. Bubble Sort
- b. Heap Sort
- c. Quick Sort
- d. Selection Sort

Feedback

MARVELS QUIZ MCQS2

The correct answer is: Heap Sort

Question 22

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What is the time complexity of below function?

```
void cal_fun(int m,int a[])
{
int i=0,j=0;
for(;i<m;++i)
    while(j<m && a[i] < a[j])
        j++;
<="" a[j])="" j++;="" }="" pre="" style="box-sizing: border-box;">>
}
```

Select one:

- a. O(n^2)
- b. O(1)
- c. O($n \log n$)
- d. O(n)

Feedback

The correct answer is: O(n)

Question 23

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Carefully read the question and answer accordingly. Which of the following options are correct?

Select one or more:

- a. A tree which does not have any node other than root node has depth of zero.

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- b. None of the options.
- c. A tree which does not have any node other than root node is called a null tree
- d. A tree with n nodes has exactly n branches or degree.

Feedback

The correct answers are: A tree which does not have any node other than root node is called a null tree, A tree which does not have any node other than root node has depth of zero.

Question 24

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

State true or false.

Configuration management is important only during the coding phase

Select one:

- True
- False

Feedback

The correct answer is 'False'.

Question 25

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Choose the correct option where waterfall model is not suited.

Select one:

- a. Complex Projects (that has more number of functionalities)
- b. Projects with stable requirements
- c. Simple Projects (that has less number of functionalities)
- d. Projects with frequent changes

Feedback

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The correct answer is: Projects with frequent changes

Question 26

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Go-Will department store wants to automate few of its functionalities. From the below options identify the functional requirements of Go-Will department store

Select one or more:

- a. Response for each button click should be within 3 seconds
- b. System should be up and running 24/7
- c. Generate Bill for the purchased Items
- d. Add Product Details

Feedback

The correct answers are: Generate Bill for the purchased Items, Add Product Details

Question 27

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

A website for Flight Booking was developed and given to the testing team for testing. It has various fields to enter the data, out of which one of the input field will take the birth year from the user ranging from 1980 to 2060. The boundary values for testing this field are?

Select one:

- a. 1979,2030,1980,2060,2061
- b. 1959, 1960, 1994, 1995
- c. 0,2000,2050,2020,1981
- d. 1979,1980,2060,2061
- e. 0, 1959, 1960, 1961, 1994, 1995, 1996

Feedback

The correct answer is: 1979,1980,2060,2061

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Question 28

Correct

Mark 1.00 out of 1.00

Flag question

Question text

State true or false. Black box testers can proceed with generating the test cases immediately after the SRS is freezed in the analysis phase

Select one:

- True
- False

Feedback

The correct answer is 'True'.

Question 29

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Predict the output of the below SQL Statement

```
SELECT branch_name, COUNT(DISTINCT customer_name) FROM Account GROUP BY  
branch_id;
```

Select one:

- a. The query is syntactically wrong
- b. The query contains one or more wrongly named clauses.
- c. The query produces correct answer
- d. The query produces wrong answer

Feedback

The correct answer is: The query is syntactically wrong

Question 30

Correct

Mark 1.00 out of 1.00

MARVELS QUIZ MCQS2

Flag question

Question text

The EMPLOYEE table has following structure

EMPID NUMBER (5), ENAME VARCHAR2 (50), DEPT VARCHAR2 (15)

Which of the below options would display all employee name from employee table who are working in the same department as “Rajesh Ahuja”.

Select one:

- a. Select EName from employee where dept = (Select dept from employee where Ename = ‘Rajesh Ahuja’);
- b. Select * from employee where dept = (Select * from employee where Ename = ‘Rajesh Ahuja’);
- c. Select * from employee where dept = (Select dept from employee where Ename = ‘Rajesh Ahuja’);
- d. Select EName from employee where dept = (Select * from employee where Ename = ‘Rajesh Ahuja’);

Feedback

The correct answer is: Select EName from employee where dept = (Select dept from employee where Ename = ‘Rajesh Ahuja’);

Question 31

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

In SQL, which command is used to add new rows to a table?

Select one:

- a. Append
- b. Insert
- c. Add row
- d. Alter Table

Feedback

The correct answer is: Insert

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Question 32

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

The following SQL statement exhibits which type of join?

```
Select customer.customer_id, customer_name, order_id from customer, order where customer.Customer_id = order.Customer_id;
```

Select one:

- a. Natural join
- b. Outer join
- c. Cartesian join
- d. Equi-join

Feedback

The correct answer is: Equi-join

Question 33

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

What options can be avoided by storing data in centralized repository?

Select one or more:

- a. Increase data duplication
- b. Replication of data in multiple files
- c. Reduce data redundancy
- d. Storing data in multiple files

Feedback

The correct answers are: Reduce data redundancy, Storing data in multiple files

Question 34

Correct

MARVELS QUIZ MCQS2

Mark 1.00 out of 1.00

Flag question

Question text

In order to grant 'SELECT' on Employee table to User1, which one of following statement is correct?

Select one:

- a. Grant select from Employee to User1;
- b. Grant select to Employee on User1;
- c. Grant select on Employee to User1;
- d. Grant select to Employee to User1;

Feedback

The correct answer is: Grant select on Employee to User1;

Question 35

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which of the following should be used to print lines containing 'manager' in emp.lst?

Select one:

- a. awk 'manager { print }' emp.lst
- b. awk '/manager { print }' emp.lst
- c. awk '/manager/ { print }' emp.lst
- d. awk '/manager/ { print }' emp.lst

Feedback

The correct answer is: awk '/manager/ { print }' emp.lst

Question 36

Incorrect

Mark 0.00 out of 1.00

MARVELS QUIZ MCQS2

Flag question

Question text

Which command in UNIX displays the list of all the users who have logged into the Unix server?

Select one:

- a. Who am i
- b. List users
- c. users
- d. Who

Feedback

The correct answer is: Who

Question 37

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which of the following is not a feature of UNIX?

Select one:

- a. Multiuser
- b. User friendly
- c. Multitasking
- d. Portability

Feedback

The correct answer is: User friendly

Question 38

Correct

Mark 1.00 out of 1.00

MARVELS QUIZ MCQS2

Flag question

Question text

What does the below Unix command accomplish?

\$ vi sample

Select one:

- a. open file if it exists else creates a new file
- b. open file named sample
- c. edit file named sample
- d. delete a file named sample

Feedback

The correct answer is: open file if it exists else creates a new file

Question 39

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

What does the below Unix command accomplish?

\$ sed 's/ABC/ZYX/' file.txt

Select one:

- a. Only matches and displays the occurrence of the pattern
- b. Replaces first occurrence in every line 'ABC' with 'ZYX'
- c. Replaces all occurrences 'ABC' with 'ZYX'
- d. Replaces only first occurrence of 'ABC' with 'ZYX'

Feedback

The correct answer is: Replaces first occurrence in every line 'ABC' with 'ZYX'

Question 40

Correct

Mark 1.00 out of 1.00

MARVELS QUIZ MCQS2

Flag question

Question text

Which of the following layer acts as an interface between user and kernel ?

Select one:

- a. Hardware
- b. System Calls
- c. Kernel
- d. Shell

Feedback

The correct answer is: Shell

Question 41

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Identify the selector that should be used if we want to select elements with no child elements

Select one:

- a. :leaf-element
- b. :no-siblings
- c. :empty
- d. :nobranch

Feedback

The correct answer is: :empty

Question 42

Incorrect

Mark 0.00 out of 1.00

MARVELS QUIZ MCQS2

Flag question

Question text

In CSS, styles are written under _____ tag which is the child of _____ tag

Select one or more:

- a. head
- b. body
- c. script
- d. style

Feedback

The correct answers are: head, style

Question 43

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Javascript is included in an HTML file with the help of _____ tag

Select one:

- a. script
- b. body
- c. style
- d. head

Feedback

The correct answer is: script

Question 44

Correct

Mark 1.00 out of 1.00

MARVELS QUIZ MCQS2

Flag question

Question text

In CSS to define style for a unique element then which css selector should be used?

Select one:

- a. id
- b. name
- c. text
- d. class

Feedback

The correct answer is: id

Question 45

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What is the CSS code to remove an underline from all hyperlinks

Select one:

- a. a {text-decoration:none;}
- b. a {text-style: no-underline;}
- c. a {text: no-underline;}
- d. a {text-decoration: no-underline;}

Feedback

The correct answer is: a {text-decoration:none;}

Question 46

Incorrect

Mark 0.00 out of 1.00

MARVELS QUIZ MCQS2

Flag question

Question text

What would be the code to set all elements under the tag to green

Select one:

- a. \$("p").layout("background-color","green");
- b. \$("p").manipulate("background-color","green");
- c. \$("p").style("background-color","green");
- d. \$("p").css("background-color","green");

Feedback

The correct answer is: \$("p").css("background-color","green");

Question 47

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Find out the well-formed xml file

Select one:

- a. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>
- b. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</Price>
 </book>
- c. <book category=Web>
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>
- d. <book category="Web">
 <bname>XML Tutorials</BNAME>

MARVELS QUIZ MCQS2

```
<pages>100</pages>
<price>$300.00</price>
<book>
```

Feedback

The correct answer is: <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
</book>

Question 48

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Which is the correct way to define an empty book element

Select one:

- a. <book>empty</book>
- b. <book>NULL</book>
- c. <book>
- d. <book></book>

Feedback

The correct answer is: <book></book>

Question 49

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which of the following fragments of XML are well-formed

Select one:

- a. <?xml encoding="Master"?>
- b. <?xml?>

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- c. <?xml encoding="JIS" version="File1"?>
- d. <?xml version="1.0"?>

Feedback

The correct answer is: <?xml version="1.0"?>

Question 50

Correct

Mark 1.00 out of 1.00

[Flag question](#)

Question text

What is the correct way of declaring an XML namespace?

Select one:

- a. xmlns:prefix,"URI"
- b. xmlns:prefix="URI"
- c. xmlns:prefix=URI
- d. xmlns-prefix="URI"

Feedback

The correct answer is: xmlns:prefix="URI"

Started on Saturday, 18 April 2020, 4:34 PM

State Finished

Completed on Saturday, 18 April 2020, 5:54 PM

Time taken 1 hour 20 mins

Grade 26 out of 50 (51%)

Question 1

Incorrect

Mark 0 out of 1

The employee tables contains EmployeeId,EmployeeName and DeptCode Columns. Which is the CORRECT SQL query to display the EmployeeId and EmployeeName of employees who are working in DeptCode 10 OR 20?

- (i) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode IN (10,20);
 - (ii) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode = 10 OR DeptCode = 20;
- Choose most appropriate option.

Select one:

- a. Only (i)
- b. Only (ii) ✖
- c. Neither (i) nor (ii)
- d. Both (i) and (ii)

The correct answer is: Both (i) and (ii)

Question 2

Correct

Mark 1 out of 1

Which of the following statement(s) is/are TRUE?

- (i) In a non-correlated(independent) subquery, the subquery is always executed only once.
 - (ii) In a non-correlated(independent) subquery, the inner query (sub query) references the column from the outer query (main query).
- Choose most appropriate option

Select one:

- a. Only (ii)
- b. Only (i) ✓
- c. Both (i) and (ii)
- d. Neither (i) nor (ii)

The correct answer is: Only (i)

Question

3

Correct

Mark 1 out of 1

Consider the table Student(StudentId, StudentName, Email, PercentageOfMarks). Which is the CORRECT query to display the details in the ascending order (lowest to highest) of PercentageOfMarks and in the descending order of StudentId in case PercentageOfMarks is the same. Choose most appropriate option

Select one:

- a. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId;
- b. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY StudentId DESC, PercentageOfMarks;
- c. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId DESC;
- d. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC; ✓

The correct answer is: SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;

Question

4

Correct

Mark 1 out of 1

Which is the CORRECT SQL Query to display names of employees which has only 3 letters that starts with 'A' and ends with 'e'? Choose most appropriate option.

Select one:

- a. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE '_e';
- b. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A_e'; ✓
- c. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A%e';
- d. SELECT EmployeeName FROM Employee WHERE EmployeeName = 'A_e';

The correct answer is: SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A_e';

Question

5

Correct

Mark 1 out of 1

Which of the following SQL commands is used to remove table "EMPLOYEE" present in the database? Choose most appropriate option.

Select one:

- a. TRUNCATE TABLE EMPLOYEE;
- b. DELETE TABLE EMPLOYEE;
- c. DROP TABLE EMPLOYEE; ✓
- d. REMOVE TABLE EMPLOYEE;

The correct answer is: DROP TABLE EMPLOYEE;

Question

6

Incorrect

Mark 0 out of 1

Consider the Tables given below:

Product(productId,productName)

ProductOrder(orderId,productId,quantity)

productId column of ProductOrder is a Foreign key referring to Product Table

Identify the appropriate SQL statement which will fetch the productId,productName and orderId for all the Products ordered. If no orders exist for a product, display those product id and productname with value for orderId column as "Yet to be Ordered".

Choose appropriate query for the above requirement.

Select one:

- a. SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be Ordered") FROM Product p1 INNER JOIN ProductOrder p2 ON p1.productId=p2.productId; ✖
- b. SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be Ordered") FROM Product p1 RIGHT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;
- c. SELECT p1.productId,p1.productName,NVL("Yet to be Ordered",p2.orderId) FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;
- d. SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be Ordered") FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;

The correct answer is: SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be Ordered") FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;

Question

7

Correct

Mark 1 out of 1

Consider table Students(sid NUMBER(3),sname VARCHAR2(10),scontact NUMBER(10)) is already created in the database.

It is required to change the data type of the column "scontact" to VARCHAR2(15).

Which of the following is Correct for the above requirement?

Note: sid column is primary key. Choose most appropriate option.

Select one:

- a. It is not possible to change the data type of a column
- b. Data type can be changed only for primary key column
- c. To change the data type of a column, it is important to ensure that the corresponding column is not having data for any of the record ✓
- d. There are no criteria to be followed. We can change the datatype of the column irrespective of the data

The correct answer is: To change the data type of a column, it is important to ensure that the corresponding column is not having data for any of the record

Question

8

Incorrect

Mark 0 out of 1

State True/False?

The names of the foreign key field and the referenced field(in parent table) may be same or different, but must have the same data type.

Select one:

- a. True
- b. False ✖

The correct answer is: True

Question 9

Correct

Mark 1 out of 1

Consider the table Products(pid, pname, pcost). Identify the appropriate SQL statement to rename the table to ProductsInfo . Choose most appropriate option.

Select one:

- a. ALTER TABLE RENAME Products TO ProductsInfo;
- b. ALTER TABLE Products RENAME ProductsInfo;
- c. ALTER TABLE Products RENAME TO ProductsInfo; ✓
- d. ALTER TABLE Products UPDATE TO ProductsInfo;

The correct answer is: ALTER TABLE Products RENAME TO ProductsInfo;

Question 10

Incorrect

Mark 0 out of 1

Consider the table employee(empname,salary) with some records. Identify a correct SQL statement to retrieve unique combination of empname and salary. Choose most appropriate option.

Select one:

- a. select empname,distinct salary from employee;
- b. select distinct empname,salary from employee;
- c. select empname,salary from employee;
- d. select distinct empname,distinct salary from employee; ✗

The correct answer is: select distinct empname,salary from employee;

Question 11

Correct

Mark 1 out of 1

Consider table Department(deptId,deptName). Which of the following query is used to display the department details whose deptname has second letter as 'a' and second last letter as 'e'? Choose most appropriate option.

Select one:

- a. SELECT * FROM department WHERE deptname LIKE "%a%e_";
- b. SELECT * FROM department WHERE deptname LIKE "_a%e_"; ✓
- c. SELECT * FROM department WHERE deptname LIKE "a%e%";
- d. SELECT * FROM department WHERE deptname LIKE "a%e_";

The correct answer is: SELECT * FROM department WHERE deptname LIKE "_a%e_";

Question 12

Incorrect

Mark 0 out of 1

Consider table Customer(cid NUMBER(4), cname VARCHAR2(10)) has some records. Identify the appropriate ALTER statements (choose 2) which executes on table Customer [Note: There is no null value for any column]

Select one or more:

- a. ALTER TABLE Customer MODIFY cname VARCHAR2(15);
- b. ALTER TABLE Customer MODIFY cid NUMBER(2);
- c. ALTER TABLE Customer ADD dob DATE DEFAULT '30-Jun-1995';
- d. ALTER TABLE Customer ADD CONSTRAINT cust_name NOT NULL(cname); ✗

The correct answers are: ALTER TABLE Customer ADD dob DATE DEFAULT '30-Jun-1995';, ALTER TABLE Customer MODIFY cname VARCHAR2(15);

Question 13

Incorrect

Mark 0 out of 1

Assume that table Asset(assetId number(2)) is created and 2 records are already inserted and saved.

```
COMMIT;  
DELETE FROM ASSET;  
ROLLBACK;  
INSERT INTO ASSET VALUES(5);  
COMMIT;
```

What would be the output of the below SQL statement after executing the above statements sequentially.

```
SELECT COUNT(*) FROM Asset;
```

Select one:

- a. 0
- b. 2 ✗
- c. 3
- d. 1

Your answer is incorrect.

The correct answer is: 3

Question 14

Partially correct

Mark 1 out of 1

Consider a table with the name Project is created using the SQL statement given below

```
CREATE TABLE Project(  
projectid VARCHAR2(10) CONSTRAINT pkey PRIMARY KEY,  
projectname VARCHAR2(10) CONSTRAINT pnull NOT NULL,  
employeecount NUMBER(2) DEFAULT 0);
```

Which of the following statements insert record successfully to the Project table [Choose 2]

Select one or more:

- a. INSERT INTO project(projectid,projectname) VALUES('P2','Finance'); ✓
- b. INSERT INTO project VALUES('P1','Finance',20);
- c. INSERT INTO project VALUES('P1','Finance');
- d. INSERT INTO project(projectid,employeecount) VALUES('P3',10);

Your answer is partially correct.

You have correctly selected 1.

The correct answers are: INSERT INTO project VALUES('P1','Finance',20); INSERT INTO project(projectid,projectname) VALUES('P2','Finance');

Question 15

Correct

Mark 1 out of 1

Identify the CORRECT SQL statement to create a Account table with composite primary key (AccountNumber, CustomerId). Choose most appropriate option

Select one:

- a. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId)); ✓
- b. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY (AccountNumber,CustomerId), OpeningDate Date, Balance Number(10,2));
- c. CREATE TABLE Account (AccountNumber Number(5) CONSTRAINT Acc_Pkey1 PRIMARY KEY, CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY, OpeningDate Date, Balance Number(10,2));
- d. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey COMPOSITE PRIMARY KEY (AccountNumber,CustomerId));

Your answer is correct.

The correct answer is: CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId));

Question 16

Correct

Mark 1 out of 1

If Employee class is created inside com.test package, what could be the first line in class? Choose most appropriate option.

Select one:

- a. packages com.test
- b. class Employee{}
- c. package com.test.Employee
- d. package com.test ✓

The correct answer is: package com.test

Question 17

Incorrect

Mark 0 out of 1

Consider the Java code given below. How many times "Accenture" will be printed when the code is executed?

```
public class Tester
{
    public static void main(String[] args)
    {
        for(int i=0; i <5; i++)
        {
            System.out.println("Accenture");
            i++;
        }
    }
}
```

Choose the most appropriate option.

Select one:

- a. 2 times
- b. 4 times ✗
- c. 1 time
- d. 3 times

The correct answer is: 3 times

Question 18

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class Employee
{
    private static int count; static
    {
        Employee.count = 101;
    }
    public Employee()
    {
        Employee.count = 201;
    }
    public static int getCount()
    {
        return Employee.count;
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        Employee emp = new Employee();
        System.out.println(emp.getCount());
    }
}
```

Choose the most appropriate option.

Select one:

- a. null
- b. 101 ✗
- c. 0
- d. 201

The correct answer is: 201

Question 19

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int i;
        for(i = 1; i <=3; i++)
        {
            System.out.println(i);
        }
        System.out.println(i);
    }
}
```

Choose the most appropriate option.

Select one:

- a. 1 to 3 will be displayed on the console ✗
- b. 1 to 4 will be displayed on the console
- c. 4 will be displayed twice on the console
- d. 3 will be displayed twice on the console

The correct answer is: 4 will be displayed twice on the console

Question

20

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
class StringSample
{
    public StringSample(String string)
    {
        System.out.println("The string is " + string);
    }
}
public class ConstructorTester1
{
    public static void main(String[] args)
    {
        StringSample stringSample = new StringSample();
        StringSample stringSample1 = new StringSample("Test String");
    }
}
```

Choose the most appropriate option.

Select one:

- a. The string is Test String ✗
- b. Compilation Error: The constructor StringSample() is undefined
- c. The string is null The string is Test String
- d. The string is null

The correct answer is: Compilation Error: The constructor StringSample() is undefined

Question

21

Correct

Mark 1 out of 1

Consider the Java code given below. How many times ";Hello "; will be printed when the code is executed?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int i = 0;
        do
        {
            System.out.println("Hello");
            i++;
        } while(i <= 1);
    }
}
```

Choose the most appropriate option.

Select one:

- a. 3 times
- b. 1 time
- c. Nothing will be printed
- d. 2 times ✓

The correct answer is: 2 times

Question 22

Incorrect

Mark 0 out of 1

Identify the appropriate relationship between the classes House and Room. Assume that getter and setter methods for all instance variables are implemented

```
class Room
{
    private int length;
    private float width;
}
class House
{
    private float area;
    private Room room;
    public House()
    {
        room=new Room();
    }
}
```

Choose the most appropriate option

Select one:

- a. Composition
- b. Aggregation
- c. No relationship exists between class House and class Room ✗
- d. Specialization

The correct answer is: Composition

Question 23

Incorrect

Mark 0 out of 1

```
class Test
{
    static
    {
        System.out.println("A");
    }
}
public class Demo
{
    static
    {
        System.out.println("B");
    }
}
public static void main(String[] args)
{
    Test t=new Test();
}
static
{
    System.out.println("D");
}
```

Choose the most appropriate option.

Select one:

- a. A D B
- b. B D A
- c. A B D ✗
- d. B A D

The correct answer is: B D A

Question 24

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class MyClass
{
    private static int count;
    static
    {
        MyClass.count = 100;
        //Line-1
        int count = 100;
        //Line-2
    }
    public MyClass()
    {
        count++ ;
    }
    public static int getCount()
    {
        return count;
    }
}
public class StaticTester
{
    public static void main(String[] args)
    {
        MyClass ref1 = new MyClass();
        MyClass ref2 = new MyClass();
        System.out.println(ref1.getCount());
    }
}
```

Choose the most appropriate option.

Select one:

- a. Compilation error at Line-1: Invalid variable reference 'MyClass.count'
- b. 102
- c. 2
- d. Compilation error at Line-2: Duplicate variable 'count' ✗

The correct answer is: 102

Question 25

Incorrect

Mark 0 out of 1

Predict the output of the following Java code.

```
public class Customer
{
    public void getCustomer(String customer_name)
    {
        System.out.println("Customer name is : "+customer_name);
    }
    public void getCustomer(int customerId, String customer_location)
    {
        System.out.println("Customer location : "+customer_location+" & Customer Id : "+customerId);
    }
    public void getCustomer(int customerId, float reward_points)
    {
        System.out.println("Customer Id : "+customerId+" & reward points till date is :" +reward_points);
    }
    public static void main(String[] args)
    {
        Customer c = new Customer();
        c.getCustomer("Smith");
        c.getCustomer(1232,560.0f);
        c.getCustomer(1232, "Florida");
    }
}
```

Choose the most appropriate option.

Select one:

- a. Customer name is : Smith
Customer Id : 1232 & reward points till date is :560.0
Customer location : Florida & Customer Id : 1232
- b. Customer name is : Smith
Customer location : Florida & Customer Id : NULL
Customer Id : NULL & reward points till date is :560
- c. Compilation Error. The method getCustomer(int, String) in the type Customer is not applicable for the arguments (int, float) ✗
- d. Customer name is : Smith
Customer location : Florida reward points till date is :560
Customer location : Florida & Customer Id : 1232

The correct answer is: Customer name is : Smith
Customer Id : 1232 & reward points till date is :560.0
Customer location : Florida & Customer Id : 1232

Question 26

Correct

Mark 1 out of 1

Analyse the following pseudo code and identify the CORRECT output.

Note: Assume that the input given for Basic is 12000 and Allowances is 3000

1. input Basic, Allowances
2. Gross_Salary= Basic + Allowances
3. if (Gross_Salary > 10000) then
4. Tax = 0.1 * Gross_Salary
5. Net_Salary = Gross_Salary - Tax
6. else
7. Net_Salary = Gross_Salary
8. end-if
9. display Net_Salary

Choose the most appropriate option.

Select one:

- a. 14000
- b. 15000
- c. 13500 ✓
- d. 14985

The correct answer is: 13500

Question 27

Incorrect

Mark 0 out of 1

Consider the Java code given below. After the execution of the code what will be the content of "array2"?

```
public class Tester
{
    public static void main(String[] args)
    {
        int array1[] = {71,12,23,34};
        int array2[] = new int[4];
        int count = 0;
        for (int i = 0; i < array2.length; i++)
        {
            if(array1[i]%2==0)
            {
                array2[count]=array1[i];
                count++;
            }
        }
    }
}
```

Choose the most appropriate option.

Select one:

- a. 12 34 0 0
- b. 0 0 12 34
- c. 12 34 ✗
- d. 12 0 34 0

The correct answer is: 12 34 0 0

Question 28

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class Visitor
{
    private static int visitorCount;
    public Visitor()
    {
        visitorCount = 0;
        //Line-1
        visitorCount++;
    }
    public static int getVisitorCount()
    {
        return Visitor.visitorCount;
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        Visitor visitor1 = new Visitor();
        Visitor visitor2 = new Visitor();
        Visitor visitor3 = new Visitor();
        System.out.println(Visitor.getVisitorCount());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 1 ✓
- b. 3
- c. Compilation error at Line-1: cannot refer 'visitorCount' in a non-static context
- d. 0

The correct answer is: 1

Question 29

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class Tester
{
    public static void main(String[] args)
    {
        int array[] ={1,2,4,2,5,2,6};
        int pos=-1; int value=2;
        int itr;
        for ( itr = 0; itr < array.length; itr++)
        {
            if(array[itr]!=value)
            {
                continue;
            } pos=itr;
        }
        System.out.println(pos);
    }
}
```

Choose the most appropriate option.

Select one:

- a. 6
- b. -1
- c. 5
- d. 1 ✗

The correct answer is: 5

Question 30

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class IfTester
{
    public static void main(String[] args)
    {
        int number1 = 10, number2;
        if(number1 == 10)
        {
            number2 = 20;
        }
        if (number1 != 10)
        {
            number2 = 30;
        }
        System.out.println("Number2 :" + number2);
    }
}
```

Choose the most appropriate option.

Select one:

- a. Number2 :0
- b. Number2 :30
- c. Compilation Error: The local variable number2 may not have been initialized
- d. Number2 :20 ✗

The correct answer is: Compilation Error: The local variable number2 may not have been initialized

Question 31

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class Employee
{
    private static int employeeCount;
    public Employee()
    {
        employeeCount++;
        //Line-1
    }
    public static int getEmployeeCount()
    {
        return Employee.employeeCount;
    }
}
public class StaticTester
{
    public static void main(String[] args)
    {
        Employee emp1 = new Employee();
        Employee emp2 = new Employee();
        Employee emp3 = new Employee();
        System.out.println(Employee.getEmployeeCount());
    }
}
```

Choose the most appropriate option.

Select one:

- a. Compilation error at Line-1: Cannot use static member 'employeeCount' in a non-static context ✗
- b. 0
- c. 1
- d. 3

The correct answer is: 3

Question 32

Correct

Mark 1 out of 1

What is the output expected for the below code ?

```
public class ConstructorTest
{
    private ConstructorTest(int w) // line 2
    {
        System.out.println(w);
    }
    public static ConstructorTest() // line 6
    {
        System.out.println(10);
    }
    public static void main(String args[])
    {
        ConstructorTest obj = new ConstructorTest(50);
    }
}
```

Choose most appropriate option.

Select one:

- a. 50
- b. 10
- c. 10 50
- d. Won't compile because of line (6) constructor can't be static ✓

The correct answer is: Won't compile because of line (6) constructor can't be static

Question 33

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
class Base
{
    protected void getDetails()
    {
        System.out.println("Base method");
    }
}
class Derived extends Base
{
    private void getDetails()
    {
        System.out.println("Derived method");
    }
}
public class Main
{
    public static void main(String[] args)
    {
        Base obj=new Derived();
        obj.getDetails();
    }
}
```

Select one:

- a. Prints "Base method"
- b. Prints "Dervied method"
- c. prints both "Base method" "Derived method"
- d. compilation error :weaker access privileges ✓

The correct answer is: compilation error :weaker access privileges

Question 34

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class Account
{
    public void deposite(int amount)
    {
        System.out.println("Account deposited with: " + amount);
    }
    public void transaction()
    {
        this.deposite(100);
    }
}
public class SavingsAccount extends Account
{
    public void deposite(int amount)
    {
        System.out.println("Savings Account deposited with: " + amount);
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        Account account = new SavingsAccount();
        account.transaction();
    }
}
```

Choose the most appropriate option.

Select one:

- a. Account deposited with: 100
- b. Account deposited with: 0
- c. Savings Account deposited with: 0
- d. Savings Account deposited with: 100 ✓

The correct answer is: Savings Account deposited with: 100

**Question
35**

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
Employee.java public class Employee
{
    private double salary;
    public Employee()
    {
        this.salary = 10000.0;
    }
    public static void updateSalary(Employee emp)
    {
        emp.salary = emp.salary + 10000.0;
        //Line-1
    }
    public double getSalary()
    {
        return this.salary;
    }
}
ApplicationTester .java public class ApplicationTester
{
    public static void main(String[] args)
    {
        Employee emp1 = new Employee();
        Employee emp2 = new Employee();
        Employee.updateSalary(emp1);
        System.out.println(emp1.getSalary() + " " + emp2.getSalary());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 10000.0 10000.0
- b. 20000.0 10000.0 ✓
- c. 0.0 10000.0
- d. Compilation error at Line-1: Cannot 'emp.salary' in a static context

The correct answer is: 20000.0 10000.0

Question 36

Correct

Mark 1 out of 1

Given the below code. What is output ?

```
class Currency
{
    private String country = "Canada";
    public String getC()
    {
        return country;
    }
}
class JapeneseYen extends Currency
{
    public String getC()
    {
        return super.country; //Line 12
    }
}
public class AustralianDollar extends Currency
{
    public String getC(int x)
    {
        return super.getC();
    }
    public static void main(String[] args)
    {
        System.out.print(new JapeneseYen().getC() + " " + new AustralianDollar().getC());
    }
}
```

Choose most appropriate option.

Select one:

- a. Canada null
- b. null null
- c. null Canada
- d. Compilation fails due to an error on line 12 ";country is not visible "; ✓
- e. Canada Canada

The correct answer is: Compilation fails due to an error on line 12 ";country is not visible ";

Question 37

Correct

Mark 1 out of 1

'link', 'vlink' and 'alink' are attributes of which HTML tag?

Choose the most appropriate option.

Select one:

- a. <head>
- b. <a>
- c. <body> ✓
- d.

Your answer is correct.

The correct answer is: <body>

Question 38

Correct

Mark 1 out of 1

which of the following is block level html tags?

Select one:

- a. <a>
- b.
- c. <i>
- d. <h6> ✓

Your answer is correct.

The correct answer is: <h6>

Question 39

Correct

Mark 1 out of 1

Refer the incomplete code given below.

```
<style>
#firstname {
    background-color: yellow;
    color:red;
}
</style>
<input type=text <strong>__Blank1__</strong>='firstname'>
```

Choose the CORRECT attribute which if replaces '__Blank1__' will apply the CSS to text box.

Choose most appropriate option.

Select one:

- a. styleclass
- b. class
- c. style
- d. id ✓

Your answer is correct.

The correct answer is: id

Question 40

Correct

Mark 1 out of 1

Refer to the below code:

```
<script>
function helloMessage(){
    var jsName = //Line1 alert('Hello '+jsName+' !')
}
</script>
<form>
Enter First Name : <input type="text" name="firstName" id="first"><br>
<input type="button" value="Click Here!" onclick="helloMessage()">
</form>
```

Which is the CORRECT code to be inserted at "Line1" to make the JavaScript run properly? Choose most appropriate option

Select one:

- a. document.getElementByName('first').value;
- b. document.getElementById('first').value; ✓
- c. document.getElement('first').value;
- d. document.getElementById.first.value;

The correct answer is: document.getElementById('first').value;

Question 41

Correct

Mark 1 out of 1

What would be the color of the text "Bengaluru" and "India" while executing the below html and css code? Assume that "Black" is the default color if there is no style applied.

```
<html>
<head>
<style>
    p{ color:red; } .c1{ color:green; }
</style>
</head>
<body>
<p> Bengaluru </p> <p class="c1"> India </p>
</body>
</html>
```

Choose most appropriate option.

Select one:

- a. Bengaluru - Black,India - Black
- b. Bengaluru - Red,India - Black
- c. Bengaluru - Red,India - Red
- d. Bengaluru - Red,India - Green ✓

The correct answer is: Bengaluru - Red,India - Green

Question 42

Incorrect

Mark 0 out of 1

Identify the CORRECT HTML code to define the state of the hyperlink. The requirement is to display the hyperlink "Click" in RED color if user has already visited "https://portal.accenture.com". Choose most appropriate option.

Select one:

- a. <html>
 <body link="red" >
 Click
 </body>
 </html>
- b. <html>
 <body>
 Click
 </body>
 </html> ✗
- c. <html>
 <body>
 Click
 </body>
 </html>
- d. <html>
 <body vlink="red" >
 Click
 </body>
 </html>

The correct answer is: <html>
<body vlink="red" >
Click
</body>
</html>

Question 43

Incorrect

Mark 0 out of 1

What would be the Output of the below java script Code?

```
<html> <body>
<script>
var x = 5; var d = (x != "5");
document.write(d +"--");
d = (x === "5"); document.write(d);
</script> </body>
</html>
```

Choose most appropriate option.

Select one:

- a. true–true
- b. false–true
- c. false–false
- d. true–false ✗

The correct answer is: false–false

Question 44

Incorrect

Mark 0 out of 1

Refer the incomplete HTML Code given below

```
<table border="2" _____=10>
<tr> <th>Employee Name</th>
<th>Department</th> </tr>
<tr> <td>Jack</td>
<td>LKM</td> </tr>
<tr> <td>Ace</td><td>Delivery</td> </tr>
</table>
```

Identify the appropriate option to be placed in the spaceso that for each cell, there will be a space between the cell border and its respective content Choose most appropriate option.

Select one:

- a. colspace
- b. cellpadding
- c. colspan ✗
- d. cellspacing

The correct answer is: cellpadding

Question 45

Correct

Mark 1 out of 1

Which of the following statements is TRUE for CSS?

- A. An external style sheet is ideal when the style is applied to many pages
- B. An inline style created for a html tag can be reused for other tags in same page.

Choose most appropriate option.

Select one:

- a. Neither A nor B
- b. Only B
- c. Only A ✓
- d. Both A and B

The correct answer is: Only A

Question 46

Correct

Mark 1 out of 1

Which of the following is not a method of document object? Choose most appropriate option.

Select one:

- a. print(String) ✓
- b. write(String)
- c. getElementByTagName(String)
- d. getElementById(String)

The correct answer is: print(String)

Question 47

Correct

Mark 1 out of 1

Which method is used to remove focus from the specified object? Choose most appropriate option.

Select one:

- a. onsubmit()
- b. onblur() ✓
- c. onfocus()
- d. onclick()

The correct answer is: onblur()

**Question
48**

Incorrect

Mark 0 out of 1

Consider the HTML code given below.

```
<html>
  <head>
    <script>
      var key=10;
      function add(){
        var key=20;
        window.key=key+1;
        document.write(key);
        document.write(" ");
        print();
      }
      function print(){
        document.write(key);
      }
    </script>
  </head>
  <body>
    <form>
      <input type="submit" onclick="add()" />
    </form>
  </body>
</html>
```

What will be displayed after executing the above code?

Choose the most appropriate option.

Select one:

- a. 11 11
- b. 21 21 ✗
- c. 11 10
- d. 20 21

Your answer is incorrect.

The correct answer is: 20 21

Question 49

Incorrect

Mark 0 out of 1

How many cells will be created after executing the below HTML code?

```
<html>
<body>
<table border="1">
<tr> <td colspan="3"> Jack </td> </tr>
<tr> <td colspan="2"> Tom </td> <td> Mark </td> </tr>
<tr> <td rowspan="2"> John</td> <td> James</td> <td> Mary</td> </tr>
<tr> <td> Helen</td> <td> Sam </td> </tr>
</table>
</body>
</html>
```

Select one:

- a. 8
- b. 9 ✗
- c. 7
- d. 10

Your answer is incorrect.

The correct answer is: 8

Question 50

Incorrect

Mark 0 out of 1

What would be the output of the Javascript code given below?

```
<html>
<body>
<script>
var num1=100;
function test(){
    num2=200;
    var num1=300;
    num1=num2;
}
test();
document.write(num1 +"-"+num2);
</script>
</body>
</html>
```

Select one:

- a. 300-100
- b. 300-200 ✗
- c. 200-200
- d. 100-200

Your answer is incorrect.

The correct answer is: 100-200

Started on Tuesday, 21 April 2020, 4:30 PM

State Finished

Completed on Tuesday, 21 April 2020, 5:50 PM

Time taken 1 hour 20 mins

Grade 42.83 out of 50.00 (86%)

Question 1

Correct

Mark 1.00 out of 1.00

Predict the output:

```
class A
{
    public static void main (String[] args) throws java.lang.Exception
    {
        String str="Two";
        switch (str) {
            case "One":
                System.out.print(1);
            case "Two": System.out.print(3);
            case "Three": System.out.print(4);
            break;
        }
    }
}
```

Select one:

- a. 134
- b. 4
- c. error
- d. 34 ✓

The correct answer is: 34

Question 2

Partially correct

Mark 0.67 out of 1.00

Choose all the statement(s) that are valid.

Select one or more:

- a. A super class is an incomplete class that requires further specification
- b. Static data member have same copy, each associated with the object of class ✓
- c. Two classes in two different packages can have the same name. ✓
- d. There is only single copy of member function in memory when a class is loaded

The correct answers are: Two classes in two different packages can have the same name., There is only single copy of member function in memory when a class is loaded, Static data member have same copy, each associated with the object of class

Question 3

Correct

Mark 1.00 out of 1.00

Identify whether the below statement is True or False: The hierarchy of Reader/Writer class is character-oriented and InputStream/OutputStream class is byte-oriented.

Select one:

- True ✓
 False

The correct answer is 'True'.

Question 4

Correct

Mark 1.00 out of 1.00

What is the correct way for a method to indicate that it expects the caller to handle an Exception? Assuming that the method contains code which may raise an Exception (but not a RuntimeException).

Select one:

- a. throws Exception ✓
 b. new Exception
 c. Don't need to specify anything
 d. throw Exception

The correct answer is: throws Exception

Question 5

Correct

Mark 1.00 out of 1.00

Examine the given the code and choose from the following that would equate to true.

```
String str1 = "Fedrick";
String str2 = "Fedrick";
String str3 = new String(str1);
(A) s1 == s2
(B) s1 = s2
(C) s3 == s1
(D) s1.equals(s2)
(E) s3.equals(s1)
```

Select one:

- a. (A), (C) & (E)
 b. (A), (B) & (C)
 c. (A), (D) & (E) ✓
 d. (C), (D) & (E)
 e. (D) & (E)

The correct answer is: (A), (D) & (E)

Question**6**

Correct

Mark 1.00 out of
1.00

What will happen if you attempt to compile and run the following code?

```
Integer i=new Integer(15);
Long l=new Long (10);
System.out.println(i + 1);
int check=1;
System.out.println(check + i);
```

Select one:

- a. 15
16
- b. Error: Can't convert java lang Integer
- c. 25
16 ✓
- d. 25
26

The correct answer is: 25

16

Question

7

Incorrect

Mark 0.00 out of
1.00

Predict the output:

```
class One
{
    void calculate(int a, int b)
    {
        System.out.println("Class One");
    }
}

class Two extends One
{
    @Override
    void calculate(int a, int b)
    {
        System.out.println("Class Two");
    }
}

class Three extends Two
{
    @Override
    void calculate(int a, int b)
    {
        System.out.println("Class Three");
    }
}

public class Test
{
    public static void main(String[] args)
    {
        One one = new Two();

        one.calculate(10, 20);

        Two two = (Two) one;

        two.calculate(50, 100);

        Three three = (Three) two;

        three.calculate(100, 200);
    }
}
```

Select one:

- a. Class One
Class Two
Class Three ✗
- b. Class Two
Class Two
java.lang.ClassCastException
- c. Class One
Class Two
java.lang.ClassCastException
- d. java.lang.ClassCastException

The correct answer is: Class Two

Class Two
java.lang.ClassCastException

Question

8

Correct

Mark 1.00 out of
1.00

Arrange the following operator precedence in descending order when evaluating an Expression.

1. Comparisons
2. Logical operations
3. Increment
4. Arithmetic operations

Select one:

- a. 2-1-4-3
- b. 1-2-4-3
- c. 3-4-1-2 ✓
- d. 4-3-1-2

The correct answer is: 3-4-1-2

Question

9

Incorrect

Mark 0.00 out of
1.00

```
class Recursion{  
    int puzzle(int n){  
        int result;  
        if (n==1)  
            return 1;  
        result = puzzle(n-1) * n;  
        return result;  
    }  
}  
public class TestMain  
{  
  
    public static void main(String args[])  
    {  
        Recursion r = new Recursion();  
        System.out.println(r.puzzle(-6));  
    }  
}
```

What will be the output of above code.

Select one:

- a. 12
- b. 120
- c. 720 ✗
- d. 6
- e. Exception

The correct answer is: Exception

Question

10

Correct

Mark 1.00 out of
1.00

What is the diagram that depicts the interaction between objects by arranging the objects in time sequence ?

Select one:

- a. Use Case Diagram
- b. Component Diagram
- c. Sequence Diagram ✓
- d. Activity Diagram

The correct answer is: Sequence Diagram

Question 11

Correct

Mark 1.00 out of 1.00

What is the term used to define the values that are common across all instances of a class ?

Select one:

- a. Interface
- b. Static ✓
- c. Property
- d. Attribute

The correct answer is: Static

Question 12

Partially correct

Mark 0.67 out of 1.00

Select the true statements about Use Case diagram ?

Select one or more:

- a. Captures dynamic aspects of the system
- b. Depicts the boundry of the system ✓
- c. Captures users of the system ✓
- d. Captures attributes and methods

The correct answers are: Depicts the boundry of the system, Captures users of the system, Captures dynamic aspects of the system

Question 13

Incorrect

Mark 0.00 out of 1.00

Select the principle that best describes the given scenario. The airline ticket booking clerk manages the available seats, dates, passenger information, etc while the mechanic maintains information like flight perfomance, fuel consumption, service intervals, etc

Select one:

- a. Encapsulation ✗
- b. Typing
- c. Abstraction
- d. Polymorphism

The correct answer is: Abstraction

Question 14

Correct

Mark 1.00 out of 1.00

Select the diagram used to depict the building blocks and the static structure of the system ?

Select one:

- a. Class Diagram ✓
- b. Interaction Diagram
- c. Sequence Diagram
- d. Component Diagram

The correct answer is: Class Diagram

Question 15

Partially correct

Mark 0.50 out of 1.00

Select the benefits of OOP ?

Select one or more:

- a. code deployment
- b. Ease of design
- c. Resuability ✓
- d. Testing

The correct answers are: Ease of design, Resuability

Question 16

Correct

Mark 1.00 out of 1.00

Order the range of coupling from high to low

- a. control coupling
- b. stamp coupling
- c. content coupling
- d. uncoupled
- e. common coupling
- f. data coupling

Select one:

- a.
c , a, b, f, e, d
- b.
c , e , a, b, f, d ✓
- c.
c , e , a, f , b, d
- d.
d, c , e , a, b, f

Your answer is correct.

The correct answer is:

c , e , a, b, f, d

Question 17

Correct

Mark 1.00 out of 1.00

A flowchart needs to represent a situation to check whether a person is eligible to vote. The system has to consider the person's age for checking the eligibility. Which of the following constructs should be used?

Select one:

- a.
Loop
- b. All the options
- c.
Decision ✓
- d.
Sequence

Your answer is correct.

The correct answer is:

Decision

Question 18

Correct

Mark 1.00 out of 1.00

Steve is learning to draw a flowchart to calculate the volume of a cuboid. Which of the options given below would fit into the process section of the flow chart?

Select one:

- a. display the volume of the cuboid
- b. check if l,b,h have positive value
- c. Volume=l*b*h ✓
- d. Read the value of l,b,h(l represents the length, b represents the breadth, h represents the height)

Your answer is correct.

The correct answer is: Volume=l*b*h

Question 19

Correct

Mark 1.00 out of 1.00

Carefully read the question and answer accordingly. Find which list is not related to stacks?

Select one:

- a. First in First Out ✓
- b. None of the options.
- c. Last In First Out
- d. Push-down

The correct answer is: First in First Out

Question 20

Correct

Mark 1.00 out of 1.00

Carefully read the question and answer accordingly. Which data structure is said to be linear data structure?

Select one:

- a. Arrays ✓
- b. None of the listed options
- c. Graphs
- d. Tree

The correct answer is: Arrays

Question 21

Correct

Mark 1.00 out of 1.00

From the given options identify the appropriate algorithm that has the lowest worst-case complexity?

Select one:

- a. Selection Sort
- b. Merge Sort ✓
- c. Bubble Sort
- d. Quick Sort

The correct answer is: Merge Sort

Question 22

Incorrect

Mark 0.00 out of 1.00

Which algorithm is the best sorting method in-place with no quadratic worst-case scenarios?

Select one:

- a. Quick Sort ✗
- b. Selection Sort
- c. Heap Sort
- d. Bubble Sort

The correct answer is: Heap Sort

Question 23

Correct

Mark 1.00 out of 1.00

Time complexity of an algorithm signifies the total time required by the algorithm to complete its execution with provided resources. State True or False.

Select one:

- True ✓
- False

The correct answer is 'True'.

Question 24

Incorrect

Mark 0.00 out of 1.00

In which of the given SDLC model, unclear requirements are considered?

Select one:

- a. Prototyping Model
- b. Spiral Model
- c. Waterfall Model ✗
- d. Agile Model

The correct answer is: Prototyping Model

Question 25

Correct

Mark 1.00 out of 1.00

Which of the option gives the number of independent paths in the program

Select one:

- a. Equivalence Partitioning
- b. Error Guessing
- c. Mc Cabes number ✓
- d. Boundary Value analysis

The correct answer is: Mc Cabes number

Question 26

Correct

Mark 1.00 out of 1.00

Go-Will department store wants to automate few of its functionalities. From the below options identify the functional requirements of Go-Will department store

Select one or more:

- a. Generate Bill for the purchased Items ✓
- b. Add Product Details ✓
- c. Response for each button click should be within 3 seconds
- d. System should be up and running 24/7

The correct answers are: Generate Bill for the purchased Items, Add Product Details

Question 27

Incorrect

Mark 0.00 out of 1.00

Identify the McCabe's number for the below code:

```
public class Testing{  
    public static void main(String[] args) {  
        int var1 = 10;  
        int var2 = 20;  
        if ((var1 > 8) && (var2 > 8))  
            { System.out.println("Greater than 8");  
        }  
        if ((var1 > 10) || (var2 > 10))  
            { System.out.println("Greater than 10"); }  
    }  
}
```

Select one:

- a. 4
- b. 3
- c. 6 ✗
- d. 5

The correct answer is: 5

Question 28

Correct

Mark 1.00 out of 1.00

After the development of online website for global pharmacy , it was found that there were interface errors in few of the modules. In which level of testing these errors would be identified.

Select one:

- a. System Testing
- b. Integration Testing ✓
- c. Acceptance Testing
- d. Unit Testing

The correct answer is: Integration Testing

Question 29

Correct

Mark 1.00 out of 1.00

Which of the following option will delete the corresponding records in the child table when the records in parent table get deleted?

Select one:

- a. On cascade set null
- b. On delete cascade ✓
- c. On cascade delete
- d. On delete set null

The correct answer is: On delete cascade

Question 30

Correct

Mark 1.00 out of 1.00

The CUSTOMER table has following structure

CID NUMBER (5), CNAME VARCHAR2 (50), CADDRESS VARCHAR2 (150)

Which of the below statement would fetch the Customer ID, Name from customer table where customer name contains "Bose" and is from "Calcutta"

Select one:

- a. Select cid, cname from customers where cname like '%Bose%' and caddress ='Calcutta'; ✓
- b. Select cid, cname from customers where cname like 'Bose' and caddress ='Calcutta';
- c. Select cid, cname from customers where cname ='Bose' and caddress ='Calcutta';
- d. Select * from customers where cname like '%Bose%' and caddress ='Calcutta';

The correct answer is: Select cid, cname from customers where cname like "%Bose%" and caddress ='Calcutta';

Question 31

Correct

Mark 1.00 out of 1.00

In SQL, which command is used to add new rows to a table?

Select one:

- a. Append
- b. Insert ✓
- c. Alter Table
- d. Add row

The correct answer is: Insert

Question 32

Correct

Mark 1.00 out of 1.00

Which of the following is not a built in aggregate function in Oracle?

Select one:

- a. Count
- b. Max
- c. Avg
- d. Total ✓

The correct answer is: Total

Question 33

Correct

Mark 1.00 out of 1.00

The EMPLOYEE table has following structure

EMPID NUMBER (5) , ENAME VARCHAR2 (50), Address VARCHAR2 (15)

Which of the below options will display names of all the employees who are from "Chennai" ?

Select one:

- a. SELECT ENAME FROM EMPLOYEE WHERE ADDRESS ='Chennai'; ✓
- b. SELECT * FROM EMPLOYEE ;
- c. SELECT ENAME FROM EMPLOYEE;
- d. SELECT * FROM EMPLOYEE WHERE ADDRESS ='Chennai';

The correct answer is: SELECT ENAME FROM EMPLOYEE WHERE ADDRESS ='Chennai';

Question 34

Correct

Mark 1.00 out of
1.00

What statements are true with respect to delete and truncate command?

Select one:

- a. Both the commands cannot be reversed
- b. Delete command can be reversed but truncate cannot be reversed ✓
- c. Both the commands work in same manner
- d. Both the commands can be reversed

The correct answer is: Delete command can be reversed but truncate cannot be reversed

Question 35

Correct

Mark 1.00 out of
1.00

What is the purpose of using -a option with ls command ?

Select one:

- a. for showing executables
- b. for showing hidden files ✓
- c. for showing directories
- d. for multi columnar output

The correct answer is: for showing hidden files

Question 36

Correct

Mark 1.00 out of
1.00

Which command in UNIX displays the list of all the users who have logged into the Unix server?

Select one:

- a. users
- b. List users
- c. Who am i
- d. Who ✓

The correct answer is: Who

Question 37

Correct

Mark 1.00 out of
1.00

Unix Terminals are called Dummy terminals as they do not have _____ capability.

Select one:

- a. Processing ✓
- b. Input
- c. Output
- d. Display

The correct answer is: Processing

Question 38

Correct

Mark 1.00 out of
1.00

Pipes are Used to combine two or more commands. The symbol used for representing pipe is _____

Select one:

- a. ;;
- b. | ✓
- c. ||
- d. >>

The correct answer is: |

Question 39

Correct

Mark 1.00 out of
1.00

Which of the following layer acts as an interface between user and kernel ?

Select one:

- a. System Calls
- b. Kernel
- c. Shell ✓
- d. Hardware

The correct answer is: Shell

Question 40

Correct

Mark 1.00 out of
1.00

What does the below Unix command accomplish?

\$ sed 's/ABC/ZYX/' file.txt

Select one:

- a. Replaces first occurrence in every line 'ABC' with 'ZYX' ✓
- b. Replaces all occurrences 'ABC' with 'ZYX'
- c. Replaces only first occurrence of 'ABC' with 'ZYX'
- d. Only matches and displays the occurrence of the pattern

The correct answer is: Replaces first occurrence in every line 'ABC' with 'ZYX'

Question 41

Correct

Mark 1.00 out of
1.00

What is the output of the following code?

```
<script type="text/javascript">
var s = "6718654 or 70101?";
var pattern = /\d{4}/;
var output = s.match(pattern);
document.write(output);
</script>
```

Select one:

- a. 6718654
- b. 671701
- c. 70101
- d. 6718 ✓

The correct answer is: 6718

Question 42

Correct

Mark 1.00 out of
1.00

Which tag in html is used to display a horizontal line (rule) in the document ?

Select one:

- a. H2
- b. H1
- c. HR ✓
- d. HL

The correct answer is: HR

Question 43

Correct

Mark 1.00 out of
1.00

What is used in an HTML page to give instruction to the web browser about the version of HTML being used?

Select one:

- a. HEAD
- b. DOCTYPE ✓
- c. DOCUMENT
- d. TITLE

The correct answer is: DOCTYPE

Question 44

Correct

Mark 1.00 out of
1.00

What does the following selector do ?

```
$(“div”)
```

Select one:

- a. Selects the first div element
- b. Selects all div elements ✓
- c. selects the first div element inside a <p> tag
- d. Selects all div elements within a <p> tag

The correct answer is: Selects all div elements

Question 45

Correct

Mark 1.00 out of
1.00

In CSS to define style for a unique element then which css selector should be used?

Select one:

- a. id ✓
- b. text
- c. name
- d. class

The correct answer is: id

Question 46

Correct

Mark 1.00 out of 1.00

What is the CSS code to remove an underline from all hyperlinks

Select one:

- a. a {text: no-underline;}
- b. a {text-decoration: no-underline;}
- c. a {text-decoration:none;} ✓
- d. a {text-style: no-underline;}

The correct answer is: a {text-decoration:none;}

Question 47

Correct

Mark 1.00 out of 1.00

Find out the well-formed xml file

Select one:

- a. <book category="Web">
 <bname>XML Tutorials</BNAME>
 <pages>100</pages>
 <price>\$300.00<price>
 <book>
- b. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book> ✓
- c. <book category=Web>
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>
- d. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</Price>
 </book>

The correct answer is: <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>

Question 48

Correct

Mark 1.00 out of 1.00

what is used to find out an internet resource in an XML?

Select one:

- a. URL
- b. XMLNS
- c. URN
- d. URI ✓

The correct answer is: URI

Question 49

Correct

Mark 1.00 out of
1.00

Which of the following xml prolog is according to syntax of XML

Select one:

- a. <?xml version="1.0" version="UTF-8"?>
- b. <?xml version="1.0" encoding="UTF-8">
- c. <?xml version="1.0" encoding="UTF-18"?>
- d. <?xml version="1.0" encoding="UTF-8"?> ✓

The correct answer is: <?xml version="1.0" encoding="UTF-8"?>

Question 50

Correct

Mark 1.00 out of
1.00

What is wrong in the following lines of xml code

```
<note date= 14/04/1979>
<to>Abin</to>
<from>John</from>
</note>
```

Select one:

- a. XML Tags are Case Sensitive
- b. All XML Elements Must Have a Closing Tag
- c. XML Attribute Values Must be Quoted ✓
- d. XML Elements Must be Properly Nested

The correct answer is: XML Attribute Values Must be Quoted



Started on Friday, 24 April 2020, 4:31 PM

State Finished

Completed on Friday, 24 April 2020, 5:50 PM

Time taken 1 hour 19 mins

Grade 47.00 out of 50.00 (94%)

Question 1

Correct

Mark 1.00 out of 1.00

How do we change the state of an object ?

Select one:

- a. Using object's property
- b. Using object's behavior ✓
- c. Using Object's default methods
- d. Using class name

The correct answer is: Using object's behavior

Question 2

Correct

Mark 1.00 out of 1.00

Select the true statement ?

Select one:

- a. Inheritance forms a is-a part of relationship between classes.
- b. Aggregation is the stronger form of Inheritance.
- c. Aggregation forms a is-a part of relationship between classes. Composition is the stronger form of Aggregation. ✓
- d. Aggregation forms the is-a type of relationship between classes.

The correct answer is: Aggregation forms a is-a part of relationship between classes. Composition is the stronger form of Aggregation.

Question 3

Correct

Mark 1.00 out of 1.00

Which of the below terms represents the levels of hierarchy ?

Select one or more:

- a. Multi-Level
- b. Compound
- c. Aggregation ✓
- d. Generalization ✓

The correct answers are: Generalization, Aggregation

Question

4

Incorrect

Mark 0.00 out of
1.00

What defines the state of an object ?

Select one:

- a. Using the class Id
- b. Using the value of the class properties
- c. Using the behavior ✗
- d. Using the class identity

The correct answer is: Using the value of the class properties

Question

5

Correct

Mark 1.00 out of
1.00

How does the different section of an application communicate in an OO approach ?

Select one:

- a. The objects created during runtime by different sections of the application interact through messages ✓
- b. In OO approach, the different sections run in isolation so they will NOT interact
- c. Different sections of the application interact through file system
- d. Different sections of the application interact through database

The correct answer is: The objects created during runtime by different sections of the application interact through messages

Question

6

Correct

Mark 1.00 out of
1.00

Select the principle that best describes the given scenario. An air-condition can be operated using the button or remote control.

Select one:

- a. Abstraction
- b. Encapsulation ✓
- c. Hierarchy
- d. Polymorphism

The correct answer is: Encapsulation

Question

7

Correct

Mark 1.00 out of
1.00

_____ is not the exact code for solving the problem but it would give us an idea of how the problem is going to be solved.

Select one:

- a. object code
- b. Pseudocode ✓
- c. Structure code
- d. Programming code

Your answer is correct.

The correct answer is: Pseudocode

Question

8

Correct

Mark 1.00 out of
1.00

In which of the given SDLC model, unclear requirements are considered?

Select one:

- a. Waterfall Model
- b. Spiral Model
- c. Agile Model
- d. Prototyping Model ✓

The correct answer is: Prototyping Model

Question

9

Correct

Mark 1.00 out of
1.00

Enhancements made to the developed software is called as

Select one:

- a. Maintenance ✓
- b. Analysis
- c. Design
- d. Testing

The correct answer is: Maintenance

Question

10

Correct

Mark 1.00 out of
1.00

After the development of online website for global pharmacy , it was found that there were interface errors in few of the modules. In which level of testing these errors would be identified.

Select one:

- a. Acceptance Testing
- b. Integration Testing ✓
- c. System Testing
- d. Unit Testing

The correct answer is: Integration Testing

Question

11

Correct

Mark 1.00 out of
1.00

Software was developed for Global Marketing. Few changes that was earlier requested was already incorporated in the delivered software. Now the client does not want the changes and requested for the previous release. Which of the below option would facilitate developer to meet the client needs.

Select one:

- a. Software Control Management
- b. Software Repository
- c. Change Control Management
- d. Software Configuration Management ✓

The correct answer is: Software Configuration Management

Question 12

Correct

Mark 1.00 out of 1.00

A Software needs to be developed for a Sterlin Hospital to monitor the radiations given for cancer patients. Even a very minute deviation would result in the risk of the life of the patient. Which would be the appropriate life cycle model used to implement the given scenario

Select one:

- a. Agile
- b. Water fall
- c. Prototyping
- d. Spiral ✓

The correct answer is: Spiral

Question 13

Correct

Mark 1.00 out of 1.00

Unix Terminals are called Dummy terminals as they do not have _____ capability.

Select one:

- a. Output
- b. Processing ✓
- c. Display
- d. Input

The correct answer is: Processing

Question 14

Correct

Mark 1.00 out of 1.00

Which of the following is not a feature of UNIX?

Select one:

- a. User friendly ✓
- b. Portability
- c. Multitasking
- d. Multiuser

The correct answer is: User friendly

Question 15

Correct

Mark 1.00 out of 1.00

Consider the sample.txt file and predict the output

Unix is an operating system.

Unix is open source.

Linux is also a powerful OS.

What is the output of grep -c "Unix" sample.txt command?

Select one:

- a. 4
- b. 2 ✓
- c. 0
- d. 3

The correct answer is: 2

Question 16

Correct

Mark 1.00 out of 1.00

What does the below Unix command accomplish?

```
$ sed 's/ABC/ZYX/' file.txt
```

Select one:

- a. Only matches and displays the occurrence of the pattern
- b. Replaces only first occurrence of 'ABC' with 'ZYX'
- c. Replaces all occurrences 'ABC' with 'ZYX'
- d. Replaces first occurrence in every line 'ABC' with 'ZYX' ✓

The correct answer is: Replaces first occurrence in every line 'ABC' with 'ZYX'

Question 17

Correct

Mark 1.00 out of 1.00

Which of the following should be used to print lines containing 'manager' in emp.lst?

Select one:

- a. awk '/manager { print }' emp.lst
- b. awk '/manager/ { print }' emp.lst
- c. awk 'manager { print }' emp.lst
- d. awk '/manager/ { print }' emp.lst ✓

The correct answer is: awk '/manager/ { print }' emp.lst

Question 18

Correct

Mark 1.00 out of 1.00

What is the purpose of using -a option with ls command ?

Select one:

- a. for showing hidden files ✓
- b. for showing executables
- c. for multi columnar output
- d. for showing directories

The correct answer is: for showing hidden files

Question 19

Correct

Mark 1.00 out of 1.00

Which is the correct way to define an empty book element

Select one:

- a. <book>
- b. <book>NULL</book>
- c. <book>empty</book>
- d. <book></book> ✓

The correct answer is: <book></book>

Question 20

Correct

Mark 1.00 out of 1.00

Which is not true about XML

Select one:

- a. XML must be wellformed
- b. XML Tags are not Case Sensitive ✓
- c. All XML Elements Must Have a Closing Tag
- d. XML Elements Must be Properly Nested

The correct answer is: XML Tags are not Case Sensitive

Question 21

Correct

Mark 1.00 out of 1.00

What is the correct XPATH that selects all the state elements that have a "speak" attribute with a value of "HIN"

Select one:

- a. //state[@speak,'HIN']
- b. //state[@speak=HIN]
- c. //state[speak='HIN']
- d. //state[@speak='HIN'] ✓

The correct answer is: //state[@speak='HIN']

Question 22

Correct

Mark 1.00 out of 1.00

Find out the well-formed xml file

Select one:

- a. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book> ✓
- b. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</Price>
 </book>
- c. <book category="Web">
 <bname>XML Tutorials</BNAME>
 <pages>100</pages>
 <price>\$300.00<price>
 <book>
- d. <book category=Web>
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>

The correct answer is: <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>

Question 23

Correct

Mark 1.00 out of 1.00

If Employee class is created inside com.test package, what could be the first line in class? Choose most appropriate option.

Select one:

- a. packages com.test
- b. package com.test ✓
- c. package com.test.Employee
- d. class Employee{}

The correct answer is: package com.test

Question 24

Correct

Mark 1.00 out of 1.00

What will be the output of the following Java code?

```
public class Rectangle
{
    private int length;
    private int width;
    public static void main(String[] args)
    {
        Rectangle rectangle1 = new Rectangle();
        rectangle1.length=10;
        rectangle1.width=5;
        Rectangle rectangle2 = rectangle1;
        System.out.println("Length : "+rectangle2.length);
        System.out.println("Width : "+rectangle2.width);
    }
}
```

Choose the most appropriate option.

Select one:

- a. Length: 5 Width: 10
- b. Length : 10 Width : 5 ✓
- c. Length : null Width : null
- d. Length : 0 Width : 0

The correct answer is: Length : 10 Width : 5

Question 25

Correct

Mark 1.00 out of 1.00

What will be the output of the following Java code?

```
public class Employee
{
    private static int count; static
    {
        Employee.count = 101;
    }
    public Employee()
    {
        Employee.count = 201;
    }
    public static int getCount()
    {
        return Employee.count;
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        Employee emp = new Employee();
        System.out.println(emp.getCount());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 201 ✓
- b. null
- c. 101
- d. 0

The correct answer is: 201

Question 26

Correct

Mark 1.00 out of 1.00

What will be the output of the following Java code?

```
public class MyClass
{
    public static void main (String[] args)
    {
        int value1=33;
        int value2=-value1;
        int value3=value1++;
        System.out.println(value1+" "+value2+" "+value3);
    }
}
```

Choose the most appropriate option.

Select one:

- a. 33 32 32 ✓
- b. 32 32 32
- c. 32 33 32
- d. 32 32 33

The correct answer is: 33 32 32

Question**27**

Incorrect

Mark 0.00 out of
1.00

What will be the output of the following Java code?

```
public class Vehicle
{
    protected String enginePower;
    public Vehicle()
    {
        this.enginePower = "100CC";
    }
    public String getEnginePower()
    {
        return this.enginePower;
    }
}
public class PassengerVehicle extends Vehicle
{
private int capacity;
public PassengerVehicle()
{
this.capacity = 50;
this.enginePower = "150CC";
}
public int getCapacity()
{
return this.capacity;
}
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        Vehicle vehicle = new PassengerVehicle();
        System.out.println(vehicle.getEnginePower());
    }
}
```

Choose the most appropriate option.

Select one:

- a. null
- b. 150CC
- c. 100CC150CC
- d. 100CC X

The correct answer is: 150CC

**Question
28**

Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class BaseClass
{
    public static void method()
    {
        System.out.println("1");
    }
}
public class DerivedClass extends BaseClass
{
    public static void method()
    {
        System.out.println("2");
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        BaseClass ref = new DerivedClass();
        ref.method();
        //Line-1
    }
}
```

Choose the most appropriate option.

Select one:

- a. 1 ✓
- b. Compilation error at Line-1: Ambiguous method call 'ref.method()'
- c. 2
- d. Program will display both 1 and 2

The correct answer is: 1

**Question
29**

Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class Account
{
    public void deposite(int amount)
    {
        System.out.println("Account deposited with: " + amount);
    }
    public void transaction()
    {
        this.deposite(100);
    }
}
public class SavingsAccount extends Account
{
    public void deposite(int amount)
    {
        System.out.println("Savings Account deposited with: " + amount);
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        Account account = new SavingsAccount();
        account.transaction();
    }
}
```

Choose the most appropriate option.

Select one:

- a. Account deposited with: 100
- b. Savings Account deposited with: 100 ✓
- c. Savings Account deposited with: 0
- d. Account deposited with: 0

The correct answer is: Savings Account deposited with: 100

Question**30**

Correct

Mark 1.00 out of
1.00

What is the output of the following code?

```
class Account
{
    int balance;
    public void createAccount()
    {
        balance = 1000;
    }
    public int getMinimumBalance()
    {
        return balance;
    }
}
class SalaryAccount extends Account
{
private String companyName;
public SalaryAccount(String companyName)
{
this.companyName = companyName;
}
public void createAccount()
{
balance = 500;
}
public void checkCompany()
{
if (companyName.equalsIgnoreCase("Accenture"))
{
balance = 0;
}
}
public class MainClass
{
    public static void main(String[] args)
    {
        Account account = new SalaryAccount("Accenture");
        account.createAccount();
        System.out.println("Balance : " + account.getMinimumBalance());
        account.checkCompany();
        System.out.println("Balance : " + account.getMinimumBalance());
    }
}
```

Choose the most appropriate option.

Select one:

- a. Balance: 1000 Balance: 500
- b. Compilation Error: The method checkCompany() is undefined for the type Account ✓
- c. Balance: 500 Balance: 0
- d. Balance: 1000 Balance: 0

The correct answer is: Compilation Error: The method checkCompany() is undefined for the type Account

Question 31

Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class ApplicationTester {  
    public static void main(String[] args) {  
        int [] array1 = {10,20,30,40,50};  
        int [] array2 = array1;  
        for(int index1=0,index2=3; index2<array2.length&&index1<array1.length; index1++,++index2)  
        {  
            array1[index1]++;  
            System.out.print(array2[index2]+ " ");  
        }  
    }  
}
```

Select one:

- a. Array Index Out Of Bounds Exception
- b. 0 0
- c. 40 50 ✓
- d. 41 51

The correct answer is: 40 50

Question 32

Correct

Mark 1.00 out of
1.00

Which is the CORRECT SQL Query to display names of employees which has only 3 letters that starts with 'A' and ends with 'e'? Choose most appropriate option.

Select one:

- a. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE '_e';
- b. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A_e'; ✓
- c. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A%e';
- d. SELECT EmployeeName FROM Employee WHERE EmployeeName = 'A_e';

The correct answer is: SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A_e';

Question 33

Correct

Mark 1.00 out of
1.00

Consider the following tables:

Vendor (VendorId, VendorName, PhoneNumber).

Here VendorId is the primary key.

Item (ItemCode, UnitPrice, QuantityOnHand, VendorId)

Here ItemCode is the primary key and VendorId is the foreign key referencing the VendorId in Vendor Table.

Which is the CORRECT SQL query to display ItemCode, UnitPrice, VendorName for all Items. It should also display the details of the item which is not having any vendor?

Choose most appropriate option

Select one:

- a. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId;
- b. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId; ✓
- c. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId AND Item.VendorId IS NULL;
- d. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item, Vendor WHERE Item.VendorId = Vendor.VendorId;

The correct answer is: SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId;

Question 34

Correct

Mark 1.00 out of
1.00

What would be the output of the SQL statement given below? SELECT SUBSTR("Accenture",3,4) FROM DUAL; Choose most appropriate option.

Select one:

- a. ntur
- b. entu
- c. cent ✓
- d. centu

The correct answer is: cent

Question 35

Correct

Mark 1.00 out of
1.00

Identify the CORRECT SQL statement(s) to remove ONLY the data from "Employee" table?

- (i) DROP TABLE Employee;
 - (ii) DELETE FROM Employee;
 - (iii) TRUNCATE TABLE Employee;
- Choose most appropriate option.

Select one:

- a. Both (i) and (ii)
- b. Both (i) and (iii)
- c. Both (ii) and (iii) ✓
- d. (i), (ii) and (iii)

The correct answer is: Both (ii) and (iii)

Question 36

Correct

Mark 1.00 out of 1.00

Identify the CORRECT SQL statement to create a Account table with composite primary key (AccountNumber, CustomerId). Choose most appropriate option

Select one:

- a. CREATE TABLE Account (AccountNumber Number(5) CONSTRAINT Acc_Pkey1 PRIMARY KEY, CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY, OpeningDate Date, Balance Number(10,2));
- b. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId)); ✓
- c. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY (AccountNumber,CustomerId), OpeningDate Date, Balance Number(10,2));
- d. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey COMPOSITE PRIMARY KEY (AccountNumber,CustomerId));

Question 37

Correct

Mark 1.00 out of 1.00

Consider table Customer(cid NUMBER(4), cname VARCHAR2(10)) is created in the database and has no records. Refer to the below statements.

COMMIT;

INSERT INTO Customer VALUES(101,'John');

INSERT INTO Customer VALUES(102,'James');

DELETE FROM Customer WHERE cid=101;

INSERT INTO Customer VALUES(103,'Mark');

ROLLBACK;

COMMIT;

How many records will be available in the customer table if the above statements are executed in sequential order. Choose the most appropriate option.

Select one:

- a. 3
- b. 1
- c. 0 ✓
- d. 2

Your answer is correct.

The correct answer is: 0

Question 38

Correct

Mark 1.00 out of
1.00

Refer the incomplete code given below.

```
<style>
  #firstname {
    background-color: yellow;
    color:red;
  }
</style>

<input type=text <strong>__Blank1__</strong>='firstname'>
```

Choose the CORRECT attribute which if replaces '__Blank1__' will apply the CSS to text box.

Choose most appropriate option.

Select one:

- a. style
- b. styleclass
- c. class
- d. id ✓

Your answer is correct.

The correct answer is: id

Question 39

Correct

Mark 1.00 out of
1.00

which of the following code creates a list box from which user can select more than one option?

Select one:

- a. <select name='type' multiple>
<option> P </option>
<option> G </option>
<option> S </option>
</select> ✓
- b. <select type=multiValue>
<option> P </option>
<option> G </option>
<option> S </option>
</select>
- c. <select type=multiple>
<option> P </option>
<option> G </option>
<option> S </option>
</select>
- d. <select name='type' multiValue>
<option> P </option>
<option> G </option>
<option> S </option>
</select>

Your answer is correct.

The correct answer is: <select name='type' multiple>
<option> P </option>
<option> G </option>
<option> S </option>
</select>

Question 40

Correct

Mark 1.00 out of
1.00

Which attribute of the form specifies the name of the web page on the server which will process the form after submission?
Choose most appropriate option.

Select one:

- a. method
- b. name
- c. url
- d. action ✓

The correct answer is: action

Question 41

Correct

Mark 1.00 out of
1.00

What would be the Output of the below java script Code?

```
<html> <body>
<script>
var x = 5; var d = (x != "5");
document.write(d +"--");
d = (x === "5"); document.write(d);
</script> </body>
</html>
```

Choose most appropriate option.

Select one:

- a. false–false ✓
- b. true–false
- c. true–true
- d. false–true

The correct answer is: false–false

Question 42

Correct

Mark 1.00 out of
1.00

Refer the incomplete HTML code given below.

```
<input type="text" name="firstname" __Blank1__ = "5" />
```

It is required to restrict the maximum number of characters being entered in the above text box to 5. From the given option, identify the CORRECT option which can replace "__Blank1__" to meet the above requirement. Choose most appropriate option.

Select one:

- a. size
- b. length
- c. maxsize
- d. maxlength ✓

The correct answer is: maxlength

Question 43

Correct

Mark 1.00 out of
1.00

What would be the output of the Javascript code given below?

```
<html>
<body>
<script>
var num1=100;
function test(){
    num2=200;
    var num1=300;
    num1=num2;
}
test();
document.write(num1 +" "+num2);
</script>
</body>
</html>
```

Select one:

- a. 300-200
- b. 300-100
- c. 100-200 ✓
- d. 200-200

Your answer is correct.

The correct answer is: 100-200

Question 44

Correct

Mark 1.00 out of
1.00

Steve is learning to draw a flowchart to calculate the volume of a cuboid. Which of the options given below would fit into the process section of the flow chart?

Select one:

- a. check if l,b,h have positive value
- b. display the volume of the cuboid
- c. Read the value of l,b,h(l represents the length, b represents the breadth, h represents the height)
- d. Volume=l*b*h ✓

Your answer is correct.

The correct answer is: Volume=l*b*h

Question 45

Correct

Mark 1.00 out of 1.00

Order the range of coupling from high to low

- a. control coupling
- b. stamp coupling
- c. content coupling
- d. uncoupled
- e. common coupling
- f. data coupling

Select one:

- a.
c , a, b, f, e, d
- b.
c , e , a, b, f, d ✓
- c.
c , e , a, f , b, d
- d.
d, c , e , a, b, f

Your answer is correct.

The correct answer is:

c , e , a, b, f, d

Question 46

Correct

Mark 1.00 out of 1.00

Carefully read the question and answer accordingly. Find which list is not related to stacks?

Select one:

- a. Last In First Out
- b. None of the options.
- c. Push-down
- d. First in First Out ✓

The correct answer is: First in First Out

Question 47

Correct

Mark 1.00 out of 1.00

Carefully read the question and answer accordingly. One of the best application of Stack is

Select one:

- a. Radix sort
- b. Array
- c. Recursion ✓
- d. Breadth First Search

The correct answer is: Recursion

Question 48

Correct

Mark 1.00 out of 1.00

Carefully read the question and answer accordingly. Which of the following options are correct?

Select one or more:

- a. None of the options.
- b. A tree which does not have any node other than root node has depth of zero. ✓
- c. A tree which does not have any node other than root node is called a null tree ✓
- d. A tree with n nodes has exactly n branches or degree.

The correct answers are: A tree which does not have any node other than root node is called a null tree, A tree which does not have any node other than root node has depth of zero.

Question 49

Correct

Mark 1.00 out of 1.00

Which algorithm is the best sorting method in-place with no quadratic worst-case scenarios?

Select one:

- a. Bubble Sort
- b. Selection Sort
- c. Quick Sort
- d. Heap Sort ✓

The correct answer is: Heap Sort

Question 50

Incorrect

Mark 0.00 out of 1.00

What is the time complexity of these functions?

```
int fact(int i)
{
    if(i<=1)
        return i;
    return 2*fact(i-1);
}

int fact2(int i)
{
    if(i<=1)
        return i;
    return fact2(i-1) + fact2(i-1);
}
```

Select one:

- a. O(n) for both fact() and fact2()
- b. O(2^n) for fact() and O(n) for fact2() ✗
- c. O(n) for fact() and O(2^n) for fact2()
- d. O(2^n) for both fact() and fact2()

The correct answer is: O(n) for fact() and O(2^n) for fact2()

The employee tables contains EmployeeId,EmployeeName and DeptCode Columns. Which is the CORRECT SQL query to display the EmployeeId and EmployeeName of employees who are working in DeptCode 10 OR 20?

- (i) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode IN (10,20);
(ii) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode = 10 OR DeptCode = 20;
Choose most appropriate option.

Select one:

- a. Only (i)
- b. Only (ii)
- c. Neither (i) nor (ii)
- d. Both (i) and (ii)

Question 15

Not yet
answered

Marked out of 1

Flag
question

Assume that table Asset(assetId number(2)) is created and 2 records are already inserted and saved.

```
COMMIT;  
DELETE FROM ASSET;  
ROLLBACK;  
INSERT INTO ASSET VALUES(5);  
COMMIT;
```

What would be the output of the below SQL statement after executing the above statements sequentially.

```
SELECT COUNT(*) FROM Asset;
```

Select one:

- a. 2
- b. 3
- c. 0
- d. 1

Quiz navigation

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What would be the Output of the below java script Code?

```
<html> <body>
<script>
    var x = 5; var d = (x != "5");
    document.write(d + "--");
    d = (x === "5"); document.write(d);
</script> </body>
</html>
```

Choose most appropriate option.

Select one:

- a. false–true
- b. false–false
- c. true–true
- d. true–false

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What will be the output of the following Java code?

```
class Event
{
    static int eventId;
    public static void main(String[] args)
    {
        Event e1=new Event();
        e1.eventId=100;
        Event e2=e1; e2.eventId=200;
        Event e3=new Event();
        System.out.println(e1.eventId+ " "+ e2.eventId + " "+ e3.eventId);
    }
}
```

Choose the most appropriate option.

Select one:

- a. 100 200 200
- b. 100 200 0
- c. 200 200 200
- d. 100 100 100

Type here to search



**Question
5**

Not yet
answered

Marked out of 1

Flag
question

Consider table Item(itemId, category, unitprice). Identify the appropriate SQL statement to display item id and discount in the ascending order of discount. [Note: Discount should be 10% of unitprice] Choose most appropriate option.

Select one:

- a. select itemId, unitprice*0.1 as discount from Item order by discount;
- b. select itemId, unitprice*0.1 as discount from Item order by itemId;
- c. select itemId, discount from Item order by discount;
- d. select itemId, discount=unitprice*0.1 from Item order by discount;

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e

Consider the Tables given below:

Product(productId,productName)

ProductOrder(orderId,productId,quantity)

productId column of ProductOrder is a Foreign key referring to Product Table

Identify the appropriate SQL statement which will fetch the productId,productName and orderId for all the Products ordered. If no orders exist for a product, display those product id and productName with value for orderId column as "Yet to be Ordered".

Choose appropriate query for the above requirement.

Select one:

- a. SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be Ordered") FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;
- b. SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be Ordered") FROM Product p1 INNER JOIN ProductOrder p2 ON p1.productId=p2.productId;
- c. SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be Ordered") FROM Product p1 RIGHT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;
- d. SELECT p1.productId,p1.productName,NVL("Yet to be Ordered",p2.orderId) FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;



Question 6

Not yet
answered

Marked out of 1

Flag
question

Which of the following statement(s) is/are TRUE?

- (i) In a subquery, the inner query is responsible for giving result.
- (ii) In a subquery, the outer query is responsible to display output.

Choose most appropriate option

Select one:

- a. Both (i) and (ii)
- b. Only (i)
- c. Neither (i) nor (ii)
- d. Only (ii)

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Next page

```
    }
}

public class SavingsAccount extends Account
{
    public void deposit(int amount)
    {
        System.out.println("Savings Account deposited with: " + amount);
    }
}

public class ApplicationTester
{
    public static void main(String[] args)
    {
        Account account = new SavingsAccount();
        account.transaction();
    }
}
```

Choose the most appropriate option.

Select one:

- a. Account deposited with: 100
- b. Account deposited with: 0
- c. Savings Account deposited with: 100
- d. Savings Account deposited with: 0



**Question
44**

Not yet
answered

Marked out of 1

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question

```
<!DOCTYPE html>
<html>
<body>
<script>
var x = (3 + 3) + 4 + "6"; alert(x); //line 1
</script>
</body>
</html>
```

What will be printed in alert box in line 1? Choose most appropriate option.

Select one:

- a. 3346
- b. 646
- c. 16
- d. 106

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Question

7

Not yet
answered

Marked out of 1

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question

Which of the following statement(s) is/are TRUE?

- (i) In a correlated subquery, the subquery is always executed only once.
(ii) In a correlated subquery, the inner query (sub query) references the column from the outer query (main query).
Choose most appropriate option.

Select one:

- a. Neither (i) nor (ii)
- b. Only (i)
- c. Both (i) and (ii)
- d. Only (ii)

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```
{  
    private void getDetails()  
    {  
        System.out.println("Derived method");  
    }  
    public class Main  
    {  
  
        public static void main(String[] args)  
        {  
            Base obj=new Derived();  
            obj.getDetails();  
        }  
    }  
}
```

Select one:

- a. compilation error : weaker access privileges
- b. Prints "Derived method"
- c. Prints "Base method"
- d. prints both "Base method" "Derived method"



Finish attempt

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**Question
18**

Not yet
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question

What will be the output of the following Java code?

```
public class Rectangle
{
    private int length;
    private int width;
    public static void main(String[] args)
    {
        Rectangle rectangle1 = new Rectangle();
        rectangle1.length=10;
        rectangle1.width=5;
        Rectangle rectangle2 = rectangle1;
        System.out.println("Length : "+rectangle2.length);
        System.out.println("Width : "+rectangle2.width);
    }
}
```

Choose the most appropriate option.

Select one:

- a. Length : 10 Width : 5
- b. Length: 5 Width: 10
- c. Length : 0 Width : 0
- d. Length : null Width : null

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**Question
15**Not yet
answered

Marked out of 1

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Consider a table with the name Project is created using the SQL statement given below

```
CREATE TABLE Project(  
projectid VARCHAR2(10) CONSTRAINT pkey PRIMARY KEY,  
projectname VARCHAR2(10) CONSTRAINT pnull NOT NULL,  
employeecount NUMBER(2) DEFAULT 0);
```

Which of the following statements insert record successfully to the Project table [Choose 2]

Select one or more

- a. INSERT INTO project VALUES(P1,Finance,20);
- b. INSERT INTO project VALUES(P1,Finance,.)
- c. INSERT INTO project(projectid,projectname) VALUES(P2,Finance);
- d. INSERT INTO project(projectid,employeecount) VALUES(P3,10);

Previous page

Question

4

Not yet
answered

Marked out of 1

Flag
Question

What will be the output of the following Java code?

```
public class OverloadTester
{
    public static void main(String[] args)
    {
        double result = new OverloadTester().add(25, 35);
        System.out.println("Sum is " + result);
    }

    public int add(int number1, int number2)
    {
        return number1 + number2;
    }

    public double add(int number1, int number2)
    {
        return number1 + number2;
    }
}
```



Choose the most appropriate option.

Select one:

- a. Sum is 60.0
- b. Sum is 0
- c. Compilation Error: Duplicate method add(int, int) in type OverloadTester
- d. Sum is 60

Identify the CORRECT SQL statement to create a Account table with composite primary key (AccountNumber, CustomerId). Choose most appropriate option

Select one:

- a. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY (AccountNumber,CustomerId), OpeningDate Date, Balance Number(10,2));
- b. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey COMPOSITE PRIMARY KEY (AccountNumber,CustomerId));
- c. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId));
- d. CREATE TABLE Account (AccountNumber Number(5) CONSTRAINT Acc_Pkey1 PRIMARY KEY, CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY, OpeningDate Date, Balance Number(10,2));

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**Question
5**

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What would be the color of the text "Bengaluru" and "India" while executing the below html? "Black" is the default color if there is no style applied.

```
<html>
  <head>
    <style>
      p{ color:red; } .c1{ color:green; }
    </style>
  </head>
  <body>
    <p> Bengaluru </p> <p class="c1"> India </p>
  </body>
</html>
```

Choose most appropriate option.

Select one:

- a. Bengaluru - Black, India - Black
- b. Bengaluru - Red, India - Black
- c. Bengaluru - Red, India - Green
- d. Bengaluru - Red, India - Red

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Question 41

Not yet
answered

Marked out of 1

Flag
question

What would be the Output of the below java script Code?

```
<html> <body>
<script>
  var x = 5; var d = (x != "5");
  document.write(d + "~~");
  d = (x === "5"); document.write(d);
</script> </body>
</html>
```

Choose most appropriate option.

Select one:

- a. false–false
- b. true–true
- c. true–false
- d. false–true

Previous page

Question**7**

Answer saved

Marked out of 1

[Flag question](#)

Which of the following can be created as a table level constraint?

- (i) primary Key
- (ii) foreign key
- (iii) unique

Choose most appropriate option.

Select one:

- a. (i), (ii) and (iii)
- b. (i) and (ii)
- c. (i) only
- d. (ii) and (iii).

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What is the correct syntax for ref.



What would be the output

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Question 36

Not yet
answered

Marked out of 1

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What will be the output of the following Java code?

```
class Test extends Throwable {}  
class Base extends Test {}  
public class Main {  
    public static void main(String args[]) {  
        try {  
            throw new Base();  
        }  
        catch(Test t) {  
            System.out.println("Test Exception");  
        }  
        finally {  
            System.out.println("Finally block ");  
        }  
    }  
}
```

Select one:

- a. print - "Test Exception" "Finally block "
- b. Compilation error ; Bass calss can't extends Test
- c. Compilation error: Test Class cant extends Throwable
- d. print-"Test Exception"



DELL

**Question
47**

Not yet
answered

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question

Identify the CORRECT statements with respect to CSS.

- a) CSS is used for giving style for HTML content
 - b) External style sheet can be used only for one HTML page in a website
- Choose most appropriate option.

Select one:

- a. only a
- b. both a and b
- c. neither a nor b
- d. only b



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Refer the incomplete code given below.

```
<style>  
#firstname {  
    background-color: yellow;  
    color:red;  
}  
</style>
```

<input type=text _Blank1_='firstname'>

Choose the CORRECT attribute which if replaces '_Blank1_' will

Choose most appropriate option.

Select one:

- a. styleclass
- b. id
- c. style
- d. class



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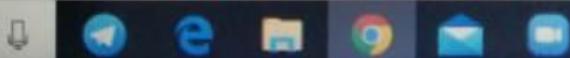
n

Identify the CORRECT statements with respect to CSS.

- a) CSS is used for giving style for HTML content
 - b) External style sheet can be used only for one HTML page in a website
- Choose most appropriate option.

Select one:

- a. only b
- b. both a and b
- c. neither a nor b
- d. only a

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Analyse the following pseudo code and identify the CORRECT output.

Note: Assume that the input given for Basic is 12000 and Allowances is 3000

1. Input Basic, Allowances
2. Gross_Salary = Basic + Allowances
3. If (Gross_Salary > 10000) then
4. Tax = 0.1 * Gross_Salary
5. Net_Salary = Gross_Salary - Tax
6. else
7. Net_Salary = Gross_Salary
8. end-if
9. display Net_Salary

Choose the most appropriate option.

Select one:

- a. 15000
- b. 13500
- c. 14985
- d. 14000

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```
{  
    Employee.count = 101;  
}  
public Employee()  
{  
    Employee.count = 201;  
}  
public static int getCount()  
{  
    return Employee.count;  
}  
public class ApplicationTester  
{  
    public static void main(String[] args)  
    {  
        Employee emp = new Employee();  
        System.out.println(emp.getCount());  
    }  
}
```



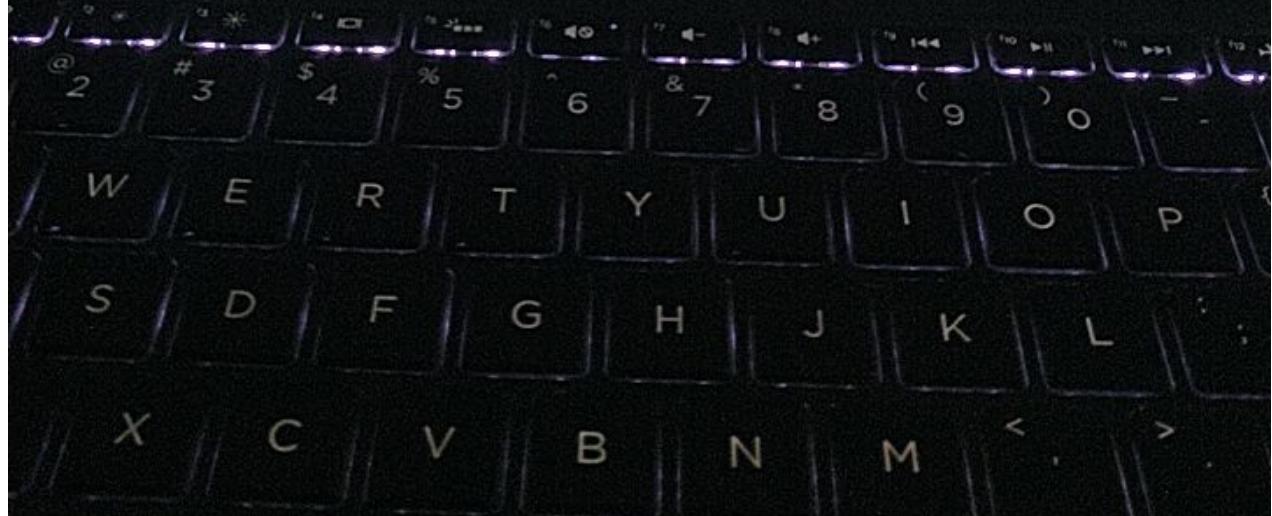
Choose the most appropriate option.

Select one:

- a. 0
- b. null
- c. 101
- d. 201



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accenture**Question
32**Not yet
answered

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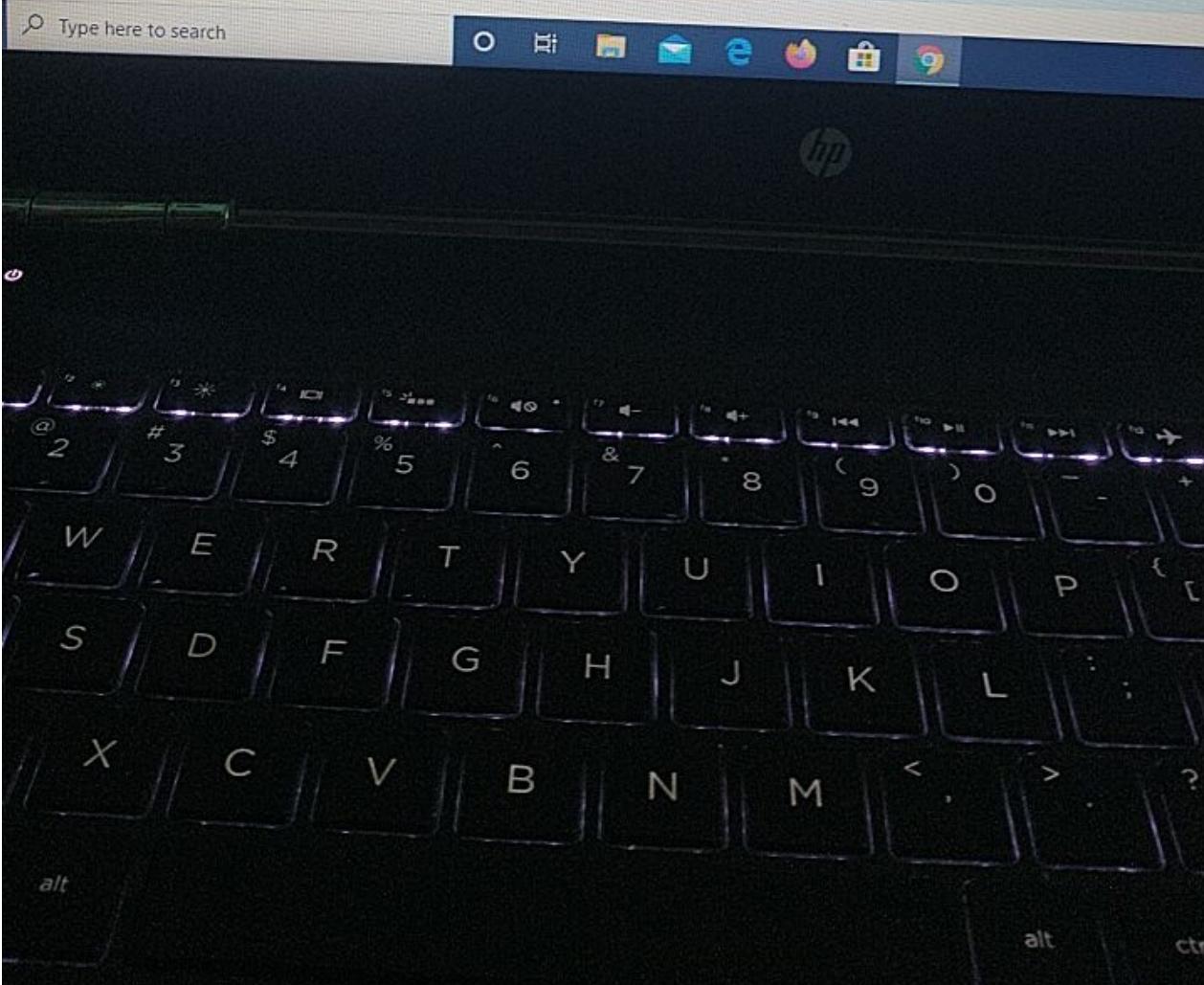
What will be the output of the following Java code?

```
public class IfTester
{
    public static void main(String[] args)
    {
        int number1 = 10, number2;
        if(number1 == 10)
        {
            number2 = 20;
        }
        if (number1 != 10)
        {
            number2 = 30;
        }
        System.out.println("Number2 :" + number2);
    }
}
```

Choose the most appropriate option.

Select one:

- a. Compilation Error: The local variable number2 may not have been initialized
- b. Number2 :30
- c. Number2 :20
- d. Number2 :0



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e

Identify the appropriate relationship between the classes House and Room. Assume that getter and setter methods for all instance variables are implemented

```
class Room
{
    private int length;
    private float width;
}

class House
{
    private float area;
    private Room room;
    public House()
    {
        room=new Room();
    }
}
```

Choose the most appropriate option

Select one:

- a. Specialization
- b. Composition
- c. Aggregation
- d. No relationship exists between class House and class Room

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Question 28

Not yet
answered

Marked out of 1

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question

What will be the output of the following Java code?

```
public class MyClass
{
    public static void main (String[] args)
    {
        int value1=33;
        int value2=--value1;
        int value3=value1++;
        System.out.println(value1+" "+value2+" "+value3);
    }
}
```

Choose the most appropriate option.

Select one:



- a. 32 32 32
- b. 32 32 33
- c. 33 32 32
- d. 32 33 32

Question 41

Not yet
answered

Marked out of 1

Flag
question

Identify the CORRECT HTML code to define the state of the hyperlink. The requirement is to display the hyperlink "Click" in RED color if user has already visited "https://portal.accenture.com". Choose most appropriate option.

Select one:

- a. <html>
<body>
 Click
</body>
</html>
- b. <html>
<body link="red" >
 Click
</body>
</html>
- c. <html>
<body vlink="red" >
Click
</body>
</html>
- d. <html>
<body>
 Click
</body>
</html>

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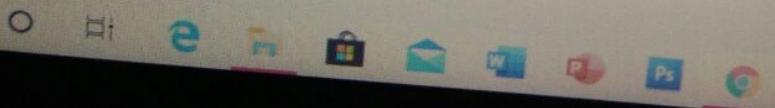
Question
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Consider the table Student(StudentId, StudentName, Email, PercentageOfMarks). Which is the CORRECT query to display the details in the ascending order (lowest to highest) of PercentageOfMarks and in the descending order of StudentId in case PercentageOfMarks is the same. Choose most appropriate option

Select one:

- a. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;
- b. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId;
- c. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId DESC;
- d. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY StudentId DESC, PercentageOfMarks;

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Consider table Customer(cid NUMBER(4), cname VARCHAR2(10)) is created in the database and has no records. Refer to the below statements.

COMMIT;
INSERT INTO Customer VALUES(101,'John');
INSERT INTO Customer VALUES(102,'James');
DELETE FROM Customer WHERE cid=101;
INSERT INTO Customer VALUES(103,'Mark');

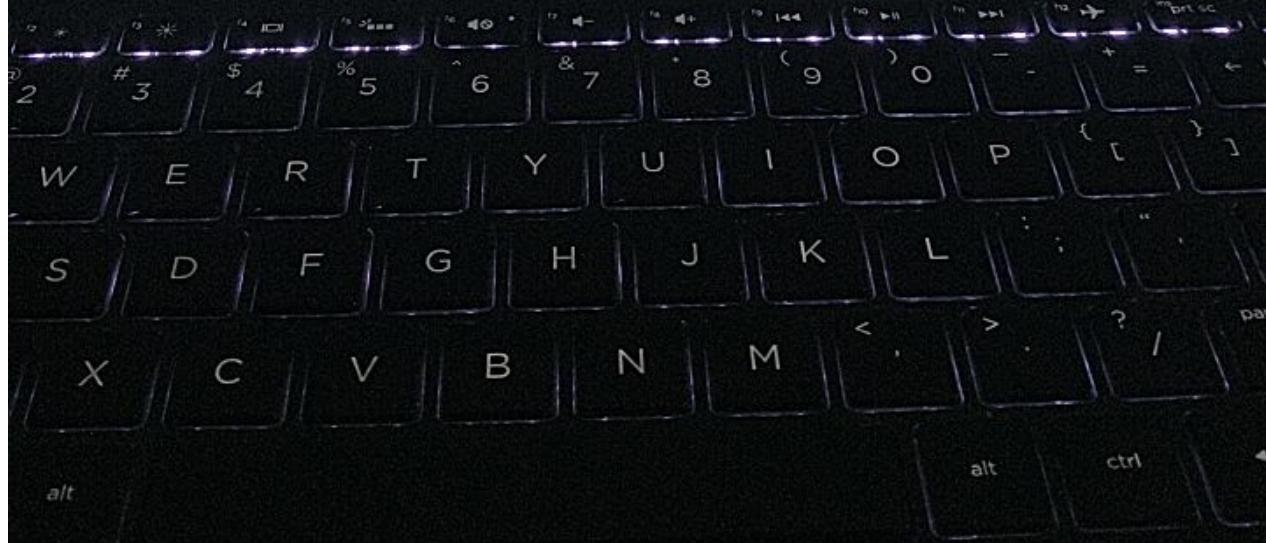
ROLLBACK;
COMMIT;

How many records will be available in the customer table if the above statements are executed in sequential order. Choose the most appropriate option.

Select one:

- a. 2
- b. 1
- c. 0
- d. 3

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Question 10

Not yet
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Marked out of 1

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question

Which of the following SQL query will not be executed successfully? Assume all the column names and table name given here are correct. Choose the most appropriate option.

Select one:

- a. SELECT deptno,ename FROM emp WHERE empno > 100 group by ename,deptno;
- b. SELECT deptno FROM emp GROUP BY deptno,job;
- c. SELECT ename FROM emp ORDER by ename,job GROUP BY ename;

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Quiz naviga

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26 27

31 32

Consider the following tables:

Vendor (VendorId, VendorName, PhoneNumber). Here VendorId is the primary key.

Item (ItemCode, UnitPrice, QuantityOnHand, VendorId) Here ItemCode is the primary key and VendorId is the foreign key referencing the VendorId in Vendor Table.

Which is the CORRECT SQL query to display ItemCode, UnitPrice, VendorName for all Items. It should also display the details of the Item which is not having any vendor?

Choose most appropriate option

Select one:

- a. `SELECT Item.ItemCode, Item.UnitPrice, Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId;`
- b. `SELECT Item.ItemCode, Item.UnitPrice, Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId AND Item.VendorId IS NULL;`
- c. `SELECT Item.ItemCode, Item.UnitPrice, Vendor.VendorName FROM Item, Vendor WHERE Item.VendorId = Vendor.VendorId;`
- d. `SELECT Item.ItemCode, Item.UnitPrice, Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId;`

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Consider table Students(sid NUMBER(3),sname VARCHAR2(10),scontact NUMBER(10)) is already created in the database.

It is required to change the data type of the column "scontact" to VARCHAR2(15).

Which of the following is Correct for the above requirement?

Note: sid column is primary key. Choose most appropriate option.

Select one:

- a. To change the data type of a column, it is important to ensure that the corresponding column is not having data for any of the record
- b. There are no criteria to be followed. We can change the datatype of the column irrespective of the data
- c. It is not possible to change the data type of a column
- d. Data type can be changed only for primary key column

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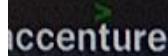
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Question 32

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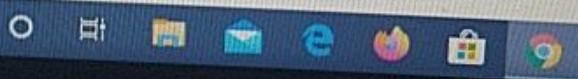
What will be the output of the following Java code?

```
public class IfTester
{
    public static void main(String[] args)
    {
        int number1 = 10, number2;
        if(number1 == 10)
        {
            number2 = 20;
        }
        if (number1 != 10)
        {
            number2 = 30;
        }
        System.out.println("Number2 :" + number2);
    }
}
```

Choose the most appropriate option.

Select one:

- a. Compilation Error: The local variable number2 may not have been initialized
- b. Number2 :30
- c. Number2 :20
- d. Number2 :0

 Type here to search

What would be the color of the text "Bengaluru" and "India" while executing the below html and css code? Assume that "Black" is the default color if there is no style applied.

```
<html>
<head>
<style>
  p{ color:red; } .c1{ color:green; }
</style>
</head>
<body>
<p> Bengaluru </p> <p class="c1"> India </p>
</body>
</html>
```

Choose most appropriate option.

Select one:

- a. Bengaluru - Black, India - Black
- b. Bengaluru - Red, India - Black
- c. Bengaluru - Red, India - Green
- d. Bengaluru - Red, India - Red



Which method is used to remove focus from the specified object? Choose most appropriate option.

Select one:

- a. onclick()
- b. onsubmit()
- c. onblur()
- d. onfocus()

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Question 17

Not yet
answered

Marked out of 1

Flag
question

If Employee class is created inside com.test package, what could be the first line in class? Choose most appropriate option.

Select one:

- a. package com.test
- b. class Employee{}
- c. packages com.test
- d. package com.test.Employee

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```
class Base
{
    protected void getDetails()
    {
        System.out.println("Base method");
    }
}
class Derived extends Base
{
    private void getDetails()
    {
        System.out.println("Derived method");
    }
}
public class Main
{

    public static void main(String[] args)
    {
        Base obj=new Derived();
        obj.getDetails();
    }
}
```

Select one:

- a. compilation error :weaker access privileges
- b. prints both "Base method" "Derived method"
- c. Prints "Derived method"
- d. Prints "Base method"



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DELL

```
public static int getCount()
{
    return count;
}
}
public class StaticTester
{
    public static void main(String[] args)
    {
        MyClass ref1 = new MyClass();
        MyClass ref2 = new MyClass();
        System.out.println(ref1.getCount());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 2
- b. Compilation error at Line-2: Duplicate variable 'count'
- c. 102
- d. Compilation error at Line-1: Invalid variable reference 'MyClass.count'



Previous page

Type here to search



```
return super.country; //line 12
}
}
public class AustralianDollar extends Currency
{
public String getC(int x)
{
return super.getC();
}
public static void main(String[] args)
{
System.out.print(new JapeneseYen().getC() + " " + new Austri
```

Choose most appropriate option.

Select one:

- a. Compilation fails due to an error on line 12 ";country is no
 - b. null null
 - c. null Canada
 - d. Canada Canada
 - e. Canada null

Question 43

Not yet
answered

Marked out of 1

Flag
question

Which of the following is not a method of document object? Choose most appropriate option.

Select one:

- a. getElementByTagName(String)
- b. print(String)
- c. write(String)
- d. getElementById(String)

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Question 6

Not yet
answered

Marked out of 1

Flag
question

Given a table Projects, which of the following SQL queries will display records that contains Sub-String "SAP" anywhere in the ProjectName ? Choose most appropriate option.

Select one:

- a. SELECT * FROM Projects WHERE ProjectName LIKE '%SAP';
- b. SELECT * FROM Projects WHERE ProjectName = '%SAP%';
- c. SELECT * FROM Projects WHERE ProjectName LIKE "%SAP%";
- d. SELECT * FROM Projects WHERE ProjectName LIKE 'SAP%';

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Next page

Question 4

Not yet
answered

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Flag
question

The employee table contains EmployeeNumber, EmployeeName, Salary and DeptCode Columns. Which is the CORRECT SQL query to display DeptCode and average salary of each Department? Choose most appropriate option.

Select one:

- a. SELECT DeptCode,avg(salary) FROM Employee;
- b. SELECT DeptCode,avg(salary) FROM Employee GROUP BY Salary;
- c. SELECT DeptCode,avg(salary) FROM Employee GROUP BY EmployeeNumber;
- d. SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode;

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Next page

Consider the Javascript code given below. What would be the print values from line 1 and line 2 on execution?

```
<html>
<body>
<p id="id1"></p><!-- line 1-->
<p id="id2"></p><!-- line 2-->
<script>
var y=10;
myFunction();
document.getElementById("id1").innerHTML = y;
document.getElementById("id2").innerHTML = window.y;
function myFunction() {
    y=20;
    y=y+window.y
}
</script>
</body>
</html>
```

Choose the most appropriate option

Select one:

- a. 10 10
- b. 40 40
- c. 10 40
- d. 10 30

**Question
39**

Not yet
answered

Marked out of 1

Flag
question

Assume abc.html is existing and a valid HTML page. Refer the code below:

```
<form action="abc.html">  
First Name: <input type="text"/><br/>  
Last Name: <input type="text"/><br/>  
Password: <input type="hidden"/><br/>  
<input type="submit" value="Submit"/>  
</form>
```

How many HTML controls will be displayed on the browser, when the above page is run on browser? Choose most appropriate option

Select one:

- a. 4
- b. 3
- c. 5
- d. 7



Question 45

Not yet
answered

Marked out of 1

Flag
question

Which of the following statements is TRUE for CSS?

- A. An external style sheet is ideal when the style is applied to many pages
 - B. An inline style created for a html tag can be reused for other tags in same page.
- Choose most appropriate option.

Select one:

- a. Only B
- b. Neither A nor B
- c. Both A and B
- d. Only A

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Question 14

Not yet
answered

Marked out of 1

Flag
question

Consider a table with the name Project is created using the SQL statement given below

```
CREATE TABLE Project(  
    projectid VARCHAR2(10) CONSTRAINT pkey PRIMARY KEY,  
    projectname VARCHAR2(10) CONSTRAINT pnull NOT NULL,  
    employeecount NUMBER(2) DEFAULT 0);
```

Which of the following statements insert record successfully to the Project table [Choose 2]

Select one or more:

- a. INSERT INTO project VALUES('P1','Finance',20);
- b. INSERT INTO project VALUES('P1','Finance');
- c. INSERT INTO project(projectid,projectname) VALUES('P2','Finance');
- d. INSERT INTO project(projectid,employeecount) VALUES('P3',10);

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Question
5

Not yet
answered

Marked out of 1

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question

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Assume that table Project is created using the DDL statement given below and has no records.

CREATE TABLE Project(projectId VARCHAR2(4) CONSTRAINT proj_pk PRIMARY KEY,
projectName VARCHAR2(10) DEFAULT 'NA' CONSTRAINT proj_nn NOT NULL);

Identify the INSERT statements which would successfully insert record into Project table. Choose two most appropriate options.

Select one or more:

- a. INSERT INTO project(projectId, projectName) VALUES('P3', Null);
- b. INSERT INTO project VALUES('P1');
- c. INSERT INTO project(projectId) VALUES('P2');
- d. INSERT INTO project(projectName,projectId) VALUES('NA','P4');

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In HTML, Which of the following is used to merge columns in a table? Choose most appropriate option.

Select one:

- a. colspan
- b. columnspan
- c. columns-span
- d. cspan

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**Question
40**Not yet
answered

Marked out of 1

 Flag
question

which of the following code creates a list box from which user can select more than one option?

Select one:

- a. <select type=multiple>
<option> P </option>
<option> G </option>
<option> S </option>
</select>
- b. <select name='type' multiple>
<option> P </option>
<option> G </option>
<option> S </option>
</select>
- c. <select type=multiValue>
<option> P </option>
<option> G </option>
<option> S </option>
</select>
- d. <select name='type' multiValue>
<option> P </option>
<option> G </option>
<option> S </option>
</select>

Quiz navigati

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What would be the output of the following Java Script?

```
<html>
<body>
<script>
var key1=1; document.write(typeof(key1) + " ");
var key2=null; document.write(typeof(key2));
</script>
</body>
</html>
```

Choose most appropriate option.

Select one:

- a. number object
- b. number undefined
- c. int object
- d. int undefined



Quiz (page 2 of 50) x

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Dashboard / 2020 / Mock / Eternals Mock 1 - Quiz / Quiz / Quiz

Question 2
Not yet answered
Marked out of 1
 Flag question

Consider the table Student(StudentId, StudentName, Email, PercentageOfMarks). Which is the CORRECT query to display the details in the ascending order (lowest to highest) of PercentageOfMarks and in the descending order of StudentId in case PercentageOfMarks is the same. Choose most appropriate option

Select one:

a. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId;
 b. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId DESC;
 c. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY StudentId DESC, PercentageOfMarks;
 d. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;

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**Question
20**

Not yet
answered

Marked out of 1

Flag
question

Which of the following statement/s is/are TRUE?

- (1) Abstract method can have body
- (2) Abstract class cannot be instantiated
- (3) Abstract class can have constructor

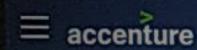
Choose the most appropriate option.

Select one:

- a. Both (1) and (3) are TRUE
- b. Only (2) is TRUE
- c. Both (1) and (2) are TRUE
- d. Both (2) and (3) are TRUE

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Not yet
answered

Marked out of 1

Flag
question

```
{  
    private String country = "Canada";  
    public String getC()  
    {  
        return country;  
    }  
}  
class JapaneseYen extends Currency  
{  
    public String getC()  
    {  
        return super.country; //Line 12  
    }  
}  
public class AustralianDollar extends Currency  
{  
    public String getC(int x)  
    {  
        return super.getC();  
    }  
    public static void main(String[] args)  
    {  
        System.out.print(new JapaneseYen().getC() + " " + new AustralianDollar().getC());  
    }  
}
```

Choose most appropriate option.

Select one:

- a. Canada null
- b. Canada Canada
- c. null null
- d. Compilation fails due to an error on line 12 "country is not visible".
- e. null Canada



Type here to search



Question 44

Not yet
answered

Marked out of 1

Flag
question

```
<!DOCTYPE html>
<html>
<body>
<script>
var x = (3 + 3) + 4 + "6"; alert(x); //line 1
</script>
</body>
</html>
```

What will be printed in alert box in line 1? Choose most appropriate option.

Select one:

- a. 646
- b. 3346
- c. 106
- d. 16

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Question 2

Answer saved

Marked out of 1

Flag
question

Which is the CORRECT SQL Query to display names of employees which has only 3 letters that starts with 'A' and ends with 'e'? Choose most appropriate option.

Select one:

- a. SELECT EmployeeName FROM Employee WHERE EmployeeName = 'A_e';
- b. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A_e';
- c. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A%e';
- d. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE '_e';

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Question 2

Not yet
answered

Marked out of 1

Flag
question

The employee tables contains EmployeeId,EmployeeName and DeptCode Columns. Which is the CORRECT SQL query to display the EmployeeId and EmployeeName of employees who are working in DeptCode 10 OR 20?

- (i) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode IN (10,20);
- (ii) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode = 10 OR DeptCode = 20;

Choose most appropriate option.

Select one:

- a. Neither (i) nor (ii)
- b. Only (i)
- c. Only (ii)
- d. Both (i) and (ii)

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stion

Identify the CORRECT SQL statement to create a table with composite primary key. Choose most appropriate option.

Select one:

- a. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey COMPOSITE PRIMARY KEY (AccountNumber,CustomerId));
- b. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId));
- c. CREATE TABLE Account (AccountNumber Number(5) CONSTRAINT Acc_Pkey1 PRIMARY KEY, CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY, OpeningDate Date, Balance Number(10,2));
- d. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY (AccountNumber,CustomerId), OpeningDate Date, Balance Number(10,2));

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Eternals Mock 1 - Quiz

Eternals Mock 1 - Quiz

Quiz

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**Question
20**Not yet
answered

Marked out of 1

Flag
question

Identify the relationship between the class Patient and class Doctor which are given below.

```
public class Patient
{
    private String name;
    //getter and setter methods
}
public class Doctor
{
    private String name;
    private String specialization;
    //getter and setter methods
    public void treatPatient(Patient patient)
    {
        //valid Java code
    }
}
```

Choose the most appropriate option.

Select one:

- a. Inheritance
- b. Aggregation
- c. No relationship exists between Doctor class and Patient class
- d. Composition

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Quiz navig

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tion

Consider the Tables given below:

Product(productId,productName)

ProductOrder(orderId,productId,quantity)

productId column of ProductOrder is a Foreign key referring to Product Table

Identify the appropriate SQL statement which will fetch the productId,productName and orderId for all the Products ordered. If no orders exist for a product, display those product id and productName with value for orderId column as "Yet to be Ordered".

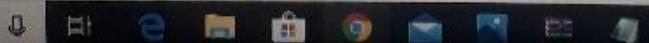
Choose appropriate query for the above requirement.

Select one:

- a. SELECT p1.productId,p1.productName,NVL(p2.orderId,'Yet to be Ordered') FROM Product p1 RIGHT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;
- b. SELECT p1.productId,p1.productName,NVL(p2.orderId,'Yet to be Ordered') FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;
- c. SELECT p1.productId,p1.productName,NVL('Yet to be Ordered',p2.orderId) FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;
- d. SELECT p1.productId,p1.productName,NVL(p2.orderId,'Yet to be Ordered') FROM Product p1 INNER JOIN ProductOrder p2 ON p1.productId=p2.productId;

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Question

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question

State True/False?

The names of the foreign key field and the referenced field(in parent table) may be same or different, but must have the same data type.

Select one:

- a. True
- b. False

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Dashboard / 2020 / Mock / Eternals Mock 1 - Quiz / Quiz / Quiz

Question 6

Not yet
answered
Marked out of 1
 Flag question

Consider table Item(itemId, category, unitprice). Identify the appropriate SQL statement to display item id and discount in the ascending order of discount. [Note: Discount should be 10% of unitprice] Choose most appropriate option.

Select one:

- a. select itemId, discount from Item order by discount;
- b. select itemId, discount=unitprice*0.1 from Item order by discount;
- c. select itemId, unitprice*0.1 as discount from Item order by itemId;
- d. select itemId, unitprice*0.1 as discount from Item order by discount;

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Question 1

Not yet
answered

Marked out of 1

Flag
question

Identify the CORRECT SQL statement(s) to remove ONLY the data from "Employee" table?

- (i) DROP TABLE Employee;
- (ii) DELETE FROM Employee;
- (iii) TRUNCATE TABLE Employee;

Choose most appropriate option.

Select one:

- a. Both (ii) and (iii)
- b. Both (i) and (iii)
- c. (i), (ii) and (iii)
- d. Both (i) and (ii)

Question 13

Not yet
answered

Marked out of 1

Flag
question

Consider Project table given below.

PROJECTID EMPLOYEEID

PROJECTID	EMPLOYEEID
1	10
2	11
1	13

Identify the correct SQL statement to display the projectId which has more than one employee.

Select one:

- a. SELECT DISTINCT projectid FROM project WHERE projectid IN(SELECT projectid FROM project HAVING COUNT(employeeId)>1);
- b. SELECT DISTINCT projectid FROM project WHERE projectid IN(SELECT projectid FROM project GROUP BY projectid HAVING COUNT(employeeId)>1);
- c. SELECT DISTINCT projectid FROM project WHERE projectid IN(SELECT projectid FROM project WHERE COUNT(employeeId)>1);
- d. SELECT DISTINCT projectid FROM project WHERE projectid IN(SELECT projectid FROM project GROUP BY projectid WHERE COUNT(employeeId)>1);

Consider the table employee(empname,salary) with some records. Identify a correct SQL statement to retrieve unique combination of empname and salary. Choose most appropriate option.

Select one:

- a. select distinct empname,salary from employee;
- b. select empname,distinct salary from employee;
- c. select empname,salary from employee;
- d. select distinct empname,distinct salary from employee;

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Consider the table Products(pid,pname,pcost). Identify the appropriate SQL statement to rename the table to ProductsInfo . Choose most appropriate option.

Select one:

- a. ALTER TABLE Products RENAME ProductsInfo;
- b. ALTER TABLE Products UPDATE TO ProductsInfo;
- c. ALTER TABLE Products RENAME TO ProductsInfo;
- d. ALTER TABLE RENAME Products TO ProductsInfo;

Consider the below tables.

Event(eventId,eventName) – eventId is primary key

Employee(empId, empName, eventId) – empId is primary key and eventId is foreign key referring to Event table.

Identify the correct SQL statement to retrieve empid, empname and eventName for all employees. If employee has not registered for an event then it should display 'Not Registered'.

Select one:

- a. `SELECT e1.empId, e1.empName, NVL(e2.eventName,'Not Registered') FROM event e2 LEFT OUTER JOIN employee e1 ON e2.eventId=e1.eventId;`
- b. `SELECT e1.empId, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 LEFT OUTER JOIN event e2 ON e1.eventId=e2.eventId;`
- c. `SELECT e1.empId, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 RIGHT OUTER JOIN event e2 ON e1.eventId=e2.eventId;`
- d. `SELECT e1.empId, e1.empName, NVL(e2.eventName,'Not Registered') FROM event e2 INNER JOIN employee e1 ON e2.eventId=e1.eventId;`

Question 24

Not yet
answered

Marked out of 1

Flag
question

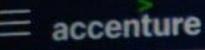
What will be the output of the following Java code?

```
public class OverloadTester
{
    public static void main(String[] args)
    {
        double result = new OverloadTester().add(25, 35);
        System.out.println("Sum is " + result);
    }
    public int add(int number1, int number2)
    {
        return number1 + number2;
    }
    public double add(int number1, int number2)
    {
        return number1 + number2;
    }
}
```

Choose the most appropriate option.

Select one:

- a. Sum is 60.0
- b. Sum is 0
- c. Compilation Error: Duplicate method add(int, int) in type OverloadTester
- d. Sum is 60



Eternals Mock 1 - Quiz

Eternals Mock 1 - Quiz

Quiz

Dashboard

Help Desk

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View Notes

Question

11

Not yet
answered

Marked out of 1

Flag
question

Consider the Tables given below:

Product(productId,productName)

ProductOrder(orderId,productId,quantity)

productId column of ProductOrder is a Foreign key
referring to Product Table

Identify the appropriate SQL statement which will fetch the
productId,productName and orderId for all the Products ordered. If no orders
exist for a product, display those product id and productname with value for
orderId column as "Yet to be Ordered".

Choose appropriate query for the above requirement.

Select one:

- a. SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be
Ordered") FROM Product p1 RIGHT OUTER JOIN ProductOrder p2 ON
p1.productId=p2.productId;
- b. SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be
Ordered") FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON
p1.productId=p2.productId;
- c. SELECT p1.productId,p1.productName,NVL("Yet to be
Ordered",p2.orderId) FROM Product p1 LEFT OUTER JOIN ProductOrder
p2 ON p1.productId=p2.productId;
- d. SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be
Ordered") FROM Product p1 INNER JOIN ProductOrder p2 ON
p1.productId=p2.productId;

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31	32
36	37
41	42
46	47

Finish attempt

Johana wants to display "Welcome to JS!!" as a pop up message using JavaScript. Which of the following suits her requirement?

Select one:

- a. alertBox("Welcome to JS!!");
- b. alert(Welcome to JS!!);
- c. alertmsg("Welcome to JS!!");
- d. alert("Welcome to JS!!");

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Question 4

Not yet
answered

Marked out of 1

Flag
question

Which is the CORRECT SQL statement to add the new column "DateOfJoining" to an existing table "Employee"? Choose most appropriate option.

Select one:

- a. CREATE TABLE Employee ADD DateOfJoining DATE;
- b. ALTER TABLE Employee ADD DateOfJoining DATE;
- c. ALTER TABLE Employee MODIFY DateOfJoining DATE;
- d. ALTER TABLE Employee UPDATE DateOfJoining DATE;

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**Question
15**Not yet
answered

Marked out of 1

Flag
question

Consider table Customer(cid NUMBER(4), cname VARCHAR2(10)) is created in the database and has no records. Refer to the below statements.

```
COMMIT;  
INSERT INTO Customer VALUES(101,'John');  
INSERT INTO Customer VALUES(102,'James');  
DELETE FROM Customer WHERE cid=101;  
INSERT INTO Customer VALUES(103,'Mark');
```

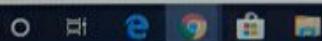
ROLLBACK;

COMMIT;

How many records will be available in the customer table if the above statements are executed in sequential order. Choose the most appropriate option.

Select one:

- a. 3
- b. 0
- c. 1
- d. 2

[Previous page](#)[Next page](#) Type here to search

Question 21

Not yet
answered

Marked out of 1

Flag
question

Identify the relationship between the class Patient and class Doctor which are given below.

```
public class Patient
{
    private String name;
    //getter and setter methods
}

public class Doctor
{
    private String name;
    private String specialization;
    //getter and setter methods
    public void treatPatient(Patient patient)
    {
        //valid Java code
    }
}
```

Choose the most appropriate option.

Select one:

- a. No relationship exists between Doctor class and Patient class
- b. Aggregation
- c. Composition
- d. Inheritance

Quiz na

1	
6	
11	1
16	1
21	2
26	2
31	32
36	37
41	42
46	47

Finish attempt

Question 2

Not yet
answered

Marked out of 1

Flag
question

Consider the table Student(StudentId, StudentName, Email, PercentageOfMarks). Which is the CORRECT query to display the details in the ascending order (lowest to highest) of PercentageOfMarks and in the descending order of StudentId in case PercentageOfMarks is the same. Choose most appropriate option

Select one:

- a. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;
- b. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId DESC;
- c. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId;
- d. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY StudentId DESC, PercentageOfMarks;

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Refer the code below:

```
<table border="2">
<tr> <th colspan="3"> Employee Details</th></tr>
<tr> <th>Employee Name</th> <th>Department</th> </th>
<tr> <td>Jack</td> <td>LKM</td> </td>
<tr> <td>Ace</td><td rowspan="2">Delivery</td> </tr>
<tr> <td>Justin</td> </tr>
</table>
```

How many cells will be displayed when the page is displayed on the browser? Choose most appropriate option.

Select one:

- a. 8
- b. 10
- c. 7
- d. 9

Next page

ge



Question 5

Not yet
answered

Marked out of 1

Flag
question

Consider the table Employee(empid, empname, designation). Identify the appropriate SQL statement to retrieve all employees whose designation is either 'S' or 'A'. Choose most appropriate option.

Select one:

- a. SELECT * FROM Employee WHERE designation IN('S' , 'A');
- b. SELECT * FROM Employee WHERE designation =('S' OR 'A');
- c. SELECT * FROM Employee WHERE designation IN('S' OR 'A');
- d. SELECT * FROM Employee WHERE designation =('S' , 'A');

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**Question
7**

Not yet
answered

Marked out of 1

Flag
question

Consider table Students(studentId, branchId). Identify the CORRECT SQL statement to retrieve the branches which has more than 3 students. Choose most appropriate option.

Select one:

- a. SELECT branchId FROM Students GROUP BY studentId HAVING COUNT(*) > 3;
- b. SELECT branchId FROM Students WHERE COUNT(*) > 3 GROUP BY branchId;
- c. SELECT branchId FROM Students HAVING COUNT(*) > 3;
- d. SELECT branchId FROM Students GROUP BY branchId HAVING COUNT(*) > 3;

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In HTML, Which of the following is used to merge columns in a table? Choose most appropriate option.

Select one:

- a. columns-span
- b. columnspan
- c. cspan
- d. colspan



ge

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Question 16

Not yet
answered

Marked out of 1

Flag
question

Which of the following statement/s is/are TRUE?

- (1) Abstract method can have body
- (2) Abstract class cannot be instantiated
- (3) Abstract class can have constructor

Choose the most appropriate option.

Select one:

- a. Both (1) and (2) are TRUE
- b. Both (2) and (3) are TRUE
- c. Only (2) is TRUE
- d. Both (1) and (3) are TRUE

RDBMS (20 Marks)

This RDBMS section of the assessment has two questions. Each question has two queries to be written.

You have to choose one of the questions and finish both the queries in that question.

Question 1

 1.1: Item details based on Category

 1.2: Item Issue details

(OR)

Question 2

 2.1: Course details based on Duration

 2.2: Course Taken by students

[Description](#) [Code Editor](#)

Right Angle Triangle

Write a Java program to accept three positive integers as input and check whether the given numbers form a right-angle triangle or not. If the input numbers form a triangle print "Right-Angle Triangle" else "Not a right-angle Triangle".

In case of zero or negative inputs print "Invalid".

Note: Rule to form a right-angle triangle is, sum of the square of any two numbers should be equal to the square of the third number.

Sample Input 1:

Enter three sides:

3

4

5

Sample Output 1:

Right-Angle Triangle

Sample Input 2:

Enter three sides:

3

4

5

Sample Output 2:

Not a right-angle Triangle

Sample Input 3:

Enter three sides:

32

0

5

Sample Output 3:

Invalid

```
6     Scanner sc=new Scanner(System.in);
7     System.out.println("Enter three sides:");
8     int a=sc.nextInt();
9     int b=sc.nextInt();
10    int c=sc.nextInt();
11    if(a<=0 || b<=0|| c<=0)
12    System.out.println("Invalid");
13    else{
14        int a1=a*a;
15        int b1=b*b;
16        int c1=c*c;
17        if(a1==b1+c1|| b1==a1+c1 || c1==a1+b1)
18        System.out.println("Right-Angle Triangle");
19        else
20        System.out.println("Not a right-angle Triangle");
21    }
22    //Fill the code here
23
24
25
26 }
```

Given the cubic capacity(CC) of a bike. Write a program to print the mileage/liter for the given Cubic Capacity(CC). The mileage will be calculated as follows:

if CC is between 100 and 125, mileage is 75
if CC is between 126 and 135, mileage is 70
if CC is between 136 and 150, mileage is 60
if CC is between 151 and 200, mileage is 50
if CC is between 201 and 220, mileage is 35

First line of input consists of an integer that corresponds to CC of a bike. Output consist of an integer, which is the mileage.

Print "Number too large" when the given input CC is greater than 220.

Print "Number too small" when the given input CC is less than 100.

Sample Input 1:

1

Sample Output 1:

Number too small

Sample Input 2:

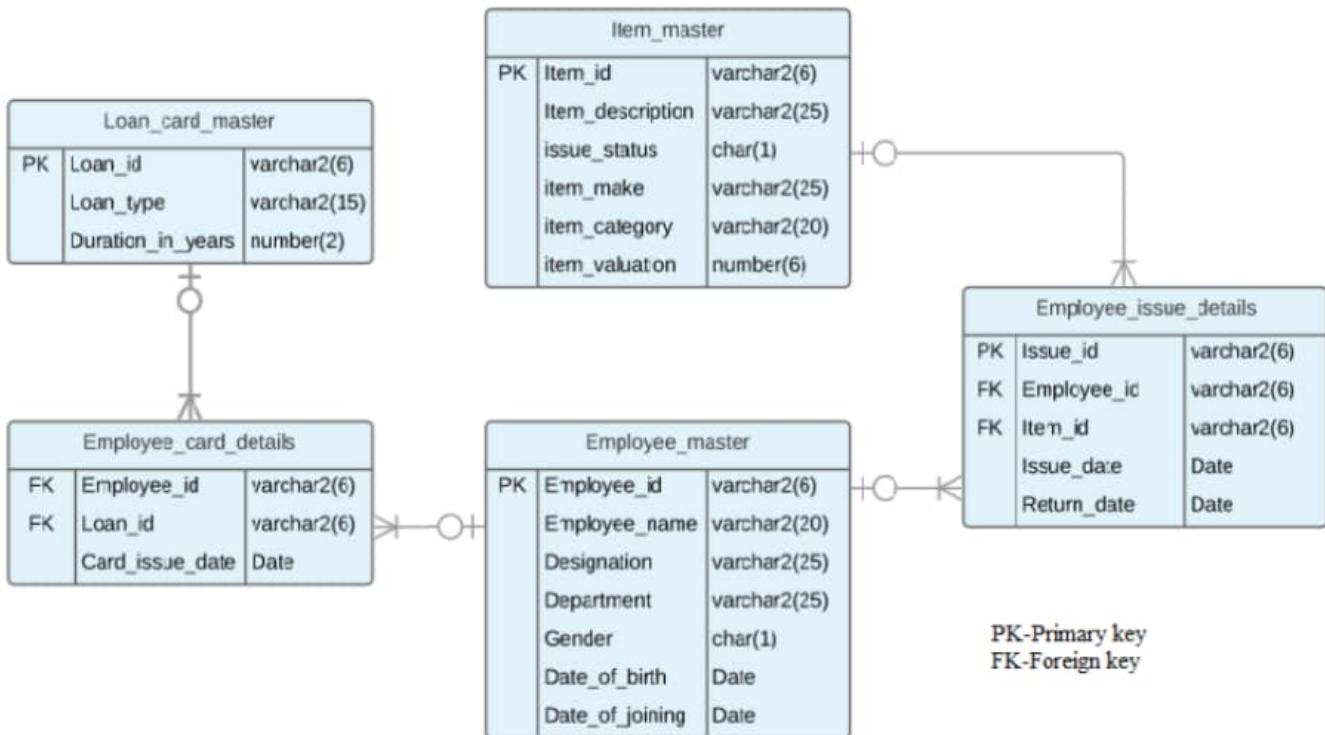
160

Sample Output 2:

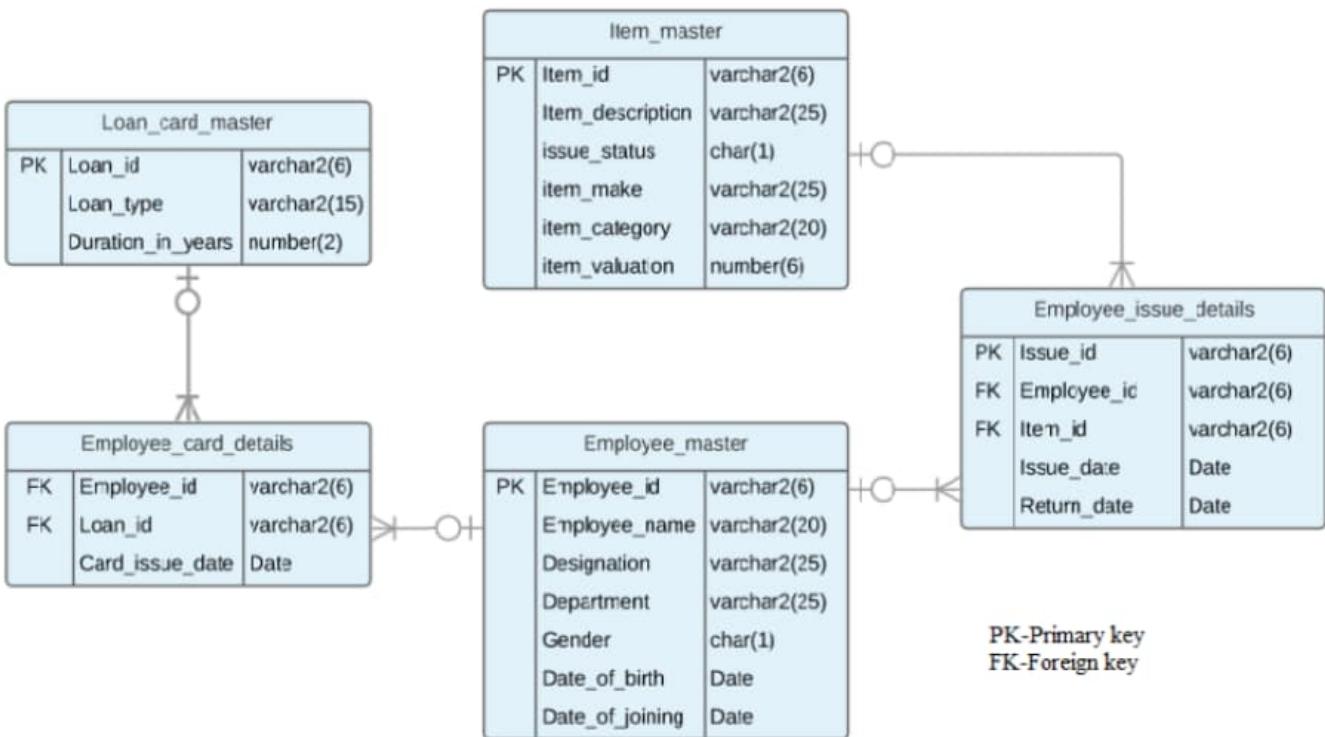
50

```
13     System.out.println(70);
14     if(cc >= 136 && cc <= 150)
15         System.out.println(60);
16     if(cc >= 151 && cc <= 200)
17         System.out.println(50);
18     if(cc >= 201 && cc <= 220)
19         System.out.println(35);
20     if(cc > 220)
21         System.out.println("Number too large");
22 }
23 }
```

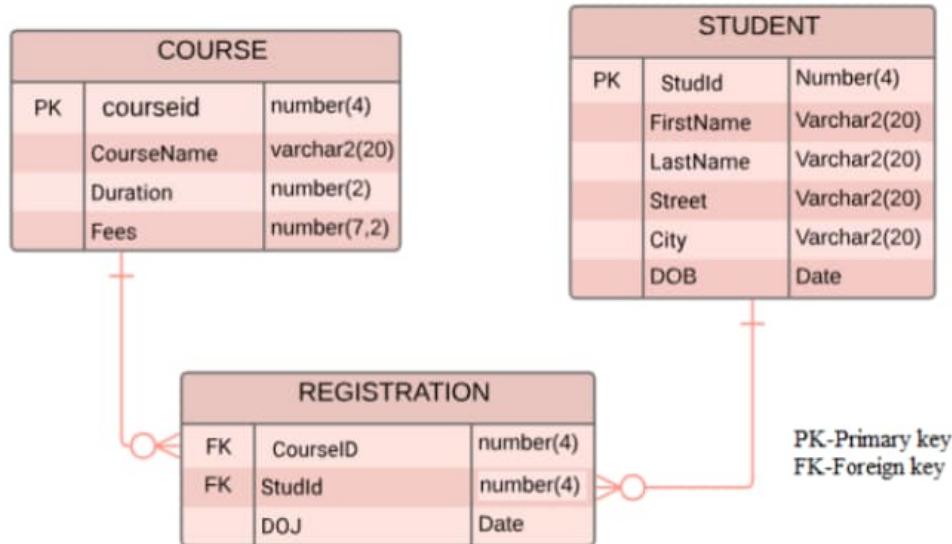
Loan Item Management



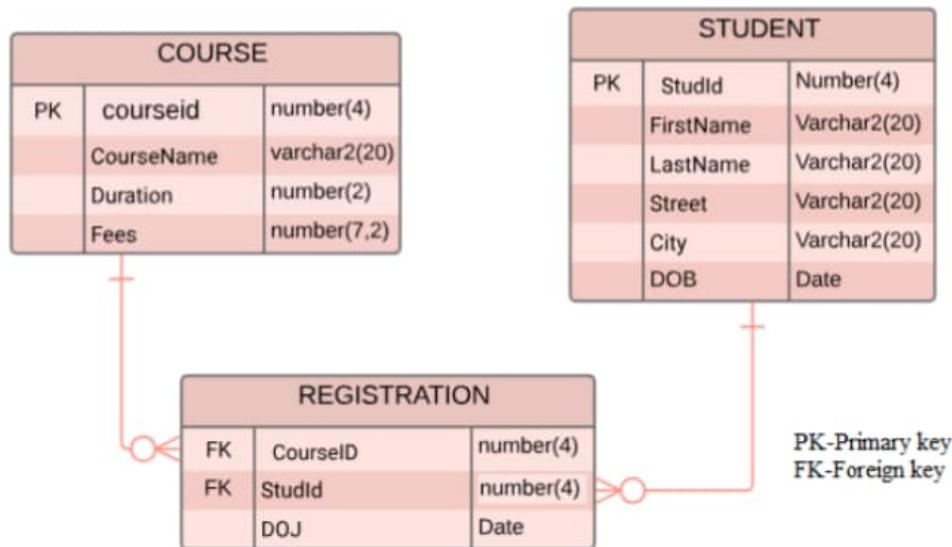
Loan Item Management



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Select one:

- a. 134
- b. error
- c. 4
- d. 34

Question 8

Not yet answered

Marked out of
1.00

Flag question

Predict the output:

```
class One
{
    void calculate(int a, int b)
    {
        System.out.println("Class One");
    }
}

class Two extends One
{
    @Override
    void calculate(int a, int b)
    {
        System.out.println("Class Two");
    }
}

class Three extends Two
{
    @Override
    void calculate(int a, int b)
    {
        System.out.println("Class Three");
    }
}

public class Test
{
    public static void main(String[] args)
    {
        One one = new Two();

        one.calculate(10, 20);

        Two two = (Two) one;

        two.calculate(50, 100);

        Three three = (Three) two;

        three.calculate(100, 200);
    }
}
```

Select one:

- a. Class One
Class Two
java.lang.ClassCastException
- b. Class One
Class Two
Class Three
- c. java.lang.ClassCastException
- d. Class Two
Class Two
java.lang.ClassCastException

```
public class Test
{
    public static void main (String args []) {
        Shape v;
        Square c;
        v = new Shape();
        c = new Square();
        v.draw();
        c.draw();
        v = c;
        v.draw();
    }
}
```

Select one:

- a. All Shapes
 - Only Square
 - All Shapes
- b. Generates runtime error on the statement v= c;
- c. All Shapes
 - All Shapes
 - Only Square
- d. All Shapes
 - Only Square
 - Only Square

}

Select one:

- a. 5
- b. 4
- c. 6
- d. 3


```
<pages>100</pages>
<price>$300.00</price>
</book>

● d. <book category="Web">
    <bname>XML Tutorials</bname>
    <pages>100</pages>
    <price>$300.00</Price>
</book>
```


Started on Friday, 19 June 2020, 4:30 PM

State Finished

Completed on Friday, 19 June 2020, 4:47 PM

Time taken 17 mins 10 secs

Grade 49.00 out of 50.00 (98%)

Question 1

Correct

Mark 1.00 out of 1.00

What is the diagram that depicts the interaction between objects by arranging the objects in time sequence ?

Select one:

- a. Activity Diagram
- b. Component Diagram
- c. Use Case Diagram
- d. Sequence Diagram ✓

The correct answer is: Sequence Diagram

Question 2

Correct

Mark 1.00 out of 1.00

What is the term used to define the values that are common across all instances of a class ?

Select one:

- a. Property
- b. Interface
- c. Attribute
- d. Static ✓

The correct answer is: Static

Question 3

Correct

Mark 1.00 out of 1.00

Select the multiplicity between passenger and train reservation ticket? What is the multiplicity of passenger ?

Select one:

- a. 0..1
- b. 1 ✓
- c. 1..*
- d. 0..*

The correct answer is: 1

Question 4

Correct

Mark 1.00 out of 1.00

What defines the state of an object ?

Select one:

- a. Using the value of the class properties ✓
- b. Using the class identity
- c. Using the behavior
- d. Using the class Id

The correct answer is: Using the value of the class properties



Question 5

Correct

Mark 1.00 out of 1.00

Select the true statements about Use Case diagram ?

Select one or more:

- a. Depicts the boundary of the system ✓
- b. Captures dynamic aspects of the system ✓
- c. Captures attributes and methods
- d. Captures users of the system ✓

The correct answers are: Depicts the boundary of the system, Captures users of the system, Captures dynamic aspects of the system

Question 6

Correct

Mark 1.00 out of 1.00

How does the different section of an application communicate in an OO approach ?

Select one:

- a. In OO approach, the different sections run in isolation so they will NOT interact
- b. Different sections of the application interact through file system
- c. The objects created during runtime by different sections of the application interact through messages ✓
- d. Different sections of the application interact through database

The correct answer is: The objects created during runtime by different sections of the application interact through messages

Question 7

Correct

Mark 1.00 out of 1.00

A program is said to be_____, if it optimizes the amount of memory and processing time.

Select one:

- a. efficient ✓
- b. modular
- c. robust
- d. documented

The correct answer is: efficient

Question 8

Correct

Mark 1.00 out of 1.00

In which of the given SDLC model, unclear requirements are considered?

Select one:

- a. Agile Model
- b. Prototyping Model ✓
- c. Waterfall Model
- d. Spiral Model

The correct answer is: Prototyping Model

Question 9

Correct

Mark 1.00 out of 1.00

State true or false.

Configuration management is important only during the coding phase

Select one:

- True
- False ✓



Question 10

Correct

Mark 1.00 out of 1.00

After the development of online website for global pharmacy , it was found that there were interface errors in few of the modules. In which level of testing these errors would be identified.

Select one:

- a. Unit Testing
- b. Acceptance Testing
- c. System Testing
- d. Integration Testing ✓

The correct answer is: Integration Testing

Question 11

Correct

Mark 1.00 out of 1.00

ERD Example: Consider the given scenario. ZEE public school Library. A Library has many books. Each Book has many chapters. Identify the cardinality between Chapter and Book

Select one:

- a. 0..0
- b. m..m
- c. m..1 ✓
- d. 0..m

The correct answer is: m..1

Question 12

Correct

Mark 1.00 out of 1.00

A website for Flight Booking was developed and given to the testing team for testing. It has various fields to enter the data, out of which one of the input field will take the birth year from the user ranging from 1980 to 2060. The boundary values for testing this field are?

Select one:

- a. 0, 1959, 1960, 1961, 1994, 1995, 1996
- b. 1959, 1960, 1994, 1995
- c. 0,2000,2050,2020,1981
- d. 1979,1980,2060,2061 ✓
- e. 1979,2030,1980,2060,2061

The correct answer is: 1979,1980,2060,2061

Question 13

Correct

Mark 1.00 out of 1.00

Pipes are Used to combine two or more commands. The symbol used for representing pipe is _____

Select one:

- a. | ✓
- b. ;;
- c. >>
- d. ||

The correct answer is: |



Question 14

Correct

Mark 1.00 out of 1.00

Unix Terminals are called Dummy terminals as they do not have _____ capability.

Select one:

- a. Input
- b. Output
- c. Processing ✓
- d. Display

The correct answer is: Processing

Question 15

Correct

Mark 1.00 out of 1.00

What does the below Unix command accomplish?

```
$ sed 's/ABC/ZYX/' file.txt
```

Select one:

- a. Replaces all occurrences 'ABC' with 'ZYX'
- b. Only matches and displays the occurrence of the pattern
- c. Replaces only first occurrence of 'ABC' with 'ZYX'
- d. Replaces first occurrence in every line 'ABC' with 'ZYX' ✓

The correct answer is: Replaces first occurrence in every line 'ABC' with 'ZYX'

Question 16

Correct

Mark 1.00 out of 1.00

Consider the sample.txt file and predict the output

Unix is an operating system.

Unix is open source.

Linux is also a powerful OS.

What is the output of grep -c "Unix" sample.txt command?

Select one:

- a. 3
- b. 2 ✓
- c. 4
- d. 0

The correct answer is: 2

Question 17

Correct

Mark 1.00 out of 1.00

What is the purpose of using -a option with ls command ?

Select one:

- a. for showing executables
- b. for showing hidden files ✓
- c. for multi columnar output
- d. for showing directories

The correct answer is: for showing hidden files



Question 18

Correct

Mark 1.00 out of 1.00

Which of the following should be used to print lines containing 'manager' in emp.lst?

Select one:

- a. awk 'manager { print }' emp.lst
- b. awk '/manager { print }' emp.lst
- c. awk '/manager/ { print }' emp.lst
- d. awk '/manager/ { print }' emp.lst ✓

The correct answer is: awk '/manager/ { print }' emp.lst

Question 19

Correct

Mark 1.00 out of 1.00

What does DTD stand for?

Select one:

- a. Dynamic Type Definition
- b. Dynamic Transfer Definition
- c. Direct Type Definition
- d. Document Type Definition ✓

The correct answer is: Document Type Definition

Question 20

Correct

Mark 1.00 out of 1.00

Which of the following xml prolog is according to syntax of XML

Select one:

- a. <?xml version="1.0" encoding="UTF-18"?>
- b. <?xml version="1.0" version="UTF-8"?>
- c. <?xml version="1.0" encoding="UTF-8"?> ✓
- d. <?xml version="1.0" encoding="UTF-8">

The correct answer is: <?xml version="1.0" encoding="UTF-8"?>

Question 21

Correct

Mark 1.00 out of 1.00

Identify the predicate which selects the last Employee element that is the child of the Company element?

Select one:

- a. /Company/Employee[last()] ✓
- b. /Company/Employee[1]
- c. /Company/Employee[first-1]
- d. /Company/Employee[first()-1]

The correct answer is: /Company/Employee[last()]

Question 22

Correct

Mark 1.00 out of 1.00

Find out the well-formed xml file

Select one:

- a. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</Price>
 </book>
- b. <book category=Web>
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>
- c. <book category="Web">
 <bname>XML Tutorials</BNAME>
 <pages>100</pages>
 <price>\$300.00<price>
 <book>
- d. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book> ✓

The correct answer is: <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>

Question 23

Correct

Mark 1.00 out of 1.00

Consider the Java code given below. How many times "Accenture" will be printed when the code is executed?

```
public class Tester
{
    public static void main(String[] args)
    {
        for(int i=0; i <5; i++)
        {
            System.out.println("Accenture");
            i++;
        }
    }
}
```

Choose the most appropriate option.

Select one:

- a. 3 times ✓
- b. 4 times
- c. 1 time
- d. 2 times

The correct answer is: 3 times

Question 24

Correct

Mark 1.00 out of 1.00

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int i=0;
        for(i=0; i<10; i++)
        {
            if(i == 5)
            {
                continue;
            }
            i++;
            System.out.print(i + " ");
        }
    }
}
```

Choose the most appropriate option.

Select one:

- a. 1 2 3 4 6 7 8 9
- b. 1 2 3 4 5 6 7 8 9
- c. 1 2 3 4 and then program will get into infinite loop
- d. 1 3 5 7 9 ✓

The correct answer is: 1 3 5 7 9

Question 25

Correct

Mark 1.00 out of 1.00

Identify the relationship between the class Patient and class Doctor which are given below.

```
public class Patient
{
    private String name;
    //getter and setter methods
}
public class Doctor
{
    private String name;
    private String specialization;
    //getter and setter methods
    public void treatPatient(Patient patient)
    {
        //valid Java code
    }
}
```

Choose the most appropriate option.

Select one:

- a. No relationship exists between Doctor class and Patient class
- b. Inheritance
- c. Aggregation ✓
- d. Composition

The correct answer is: Aggregation

Question 26

Correct

Mark 1.00 out of 1.00

What will be the output of the following code:

```
public class Test
{
    public static void main(String[] args)
    {
        int number=20;
        switch(number)
        {
            case 10: System.out.println("10");
            break;
            case 20: System.out.println("20");
            case 30: System.out.println("30");
            break;
            default:System.out.println("Not in 10, 20 or 30");
        }
    }
}
```

Choose most appropriate option.

Select one:

- a. 30
- b. 20 30 ✓
- c. invalid switch statement
- d. 20

The correct answer is: 20 30

Question 27

Correct

Mark 1.00 out of 1.00

What will be the output of the following Java code?

```
public class BaseClass
{
    public static void method()
    {
        System.out.println("1");
    }
}
public class DerivedClass extends BaseClass
{
    public static void method()
    {
        System.out.println("2");
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        BaseClass ref = new DerivedClass();
        ref.method();
        //Line-1
    }
}
```

Choose the most appropriate option.

Select one:

- a. 2
- b. 1 ✓
- c. Compilation error at Line-1: Ambiguous method call 'ref.method()'
- d. Program will display both 1 and 2

The correct answer is: 1

Question 28

Correct

Mark 1.00 out of 1.00

What will be the output of the following Java code?

```
public class OverloadTester
{
    public static void main(String[] args)
    {
        double result = new OverloadTester().add(25, 35);
        System.out.println("Sum is " + result);
    }
    public int add(int number1, int number2)
    {
        return number1 + number2;
    }
    public double add(int number1, int number2)
    {
        return number1 + number2;
    }
}
```

Choose the most appropriate option.

Select one:

- a. Compilation Error: Duplicate method add(int, int) in type OverloadTester ✓
- b. Sum is 60
- c. Sum is 60.0
- d. Sum is 0

The correct answer is: Compilation Error: Duplicate method add(int, int) in type OverloadTester

Question 29

Correct

Mark 1.00 out of 1.00

What will be the output of the following Java code?

```
class Employee
{
    Employee ()
    {
        System.out.println("Employee constructor");
    }
    static
    {
        System.out.println("Employee static block");
    }
}
class Manager
{
    Manager ()
    {
        System.out.println("Manager constructor");
    }
    static
    {
        System.out.println("Manager static block");
    }
}

public class Main
{
    public static void main(String[] args) {
        Manager obj=null;
    }
}
```

Select one:

- a. only Manager class constructor and static block executes
- b. no output ✓
- c. only Manager class static block executes
- d. Both class Constructor and Static block executes

The correct answer is: no output

Question 30

Correct

Mark 1.00 out of
1.00

What is the output of the following code?

```
class Account
{
    int balance;
    public void createAccount()
    {
        balance = 1000;
    }
    public int getMinimumBalance()
    {
        return balance;
    }
}
class SalaryAccount extends Account
{
    private String companyName;
    public SalaryAccount(String companyName)
    {
        this.companyName = companyName;
    }
    public void createAccount()
    {
        balance = 500;
    }
    public void checkCompany()
    {
        if (companyName.equalsIgnoreCase("Accenture"))
        {
            balance = 0;
        }
    }
}
public class MainClass
{
    public static void main(String[] args)
    {
        Account account = new SalaryAccount("Accenture");
        account.createAccount();
        System.out.println("Balance : " + account.getMinimumBalance());
        account.checkCompany();
        System.out.println("Balance : " + account.getMinimumBalance());
    }
}
```

Choose the most appropriate option.

Select one:

- a. Balance: 1000 Balance: 0
- b. Compilation Error: The method checkCompany() is undefined for the type Account ✓
- c. Balance: 1000 Balance: 500
- d. Balance: 500 Balance: 0

The correct answer is: Compilation Error: The method checkCompany() is undefined for the type Account

Question 31

Correct

Mark 1.00 out of 1.00

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        for(int i=0; i<=10; i++)
        {
            if(i>6)
                break;
        }
        System.out.println(i); //Line-1
    }
}
```

Choose most appropriate option.

Select one:

- a. 6
- b. null
- c. 5
- d. Compilation error at Line-1: i cannot be resolved to a variable ✓

The correct answer is: Compilation error at Line-1: i cannot be resolved to a variable

Question 32

Correct

Mark 1.00 out of 1.00

Identify the CORRECT SQL statement(s) to remove ONLY the data from "Employee" table?

- (i) DROP TABLE Employee;
 - (ii) DELETE FROM Employee;
 - (iii) TRUNCATE TABLE Employee;
- Choose most appropriate option.

Select one:

- a. Both (ii) and (iii) ✓
- b. Both (i) and (iii)
- c. Both (i) and (ii)
- d. (i), (ii) and (iii)

The correct answer is: Both (ii) and (iii)

Question 33

Correct

Mark 1.00 out of 1.00

Identify the CORRECT SQL statement to create a table with composite primary key. Choose most appropriate option.

Select one:

- a. CREATE TABLE Account (AccountNumber Number(5) CONSTRAINT Acc_Pkey1 PRIMARY KEY, CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY, OpeningDate Date, Balance Number(10,2));
- b. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey COMPOSITE PRIMARY KEY (AccountNumber,CustomerId));
- c. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId)); ✓
- d. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY (AccountNumber,CustomerId), OpeningDate Date, Balance Number(10,2));

The correct answer is: CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId));

Question 34

Correct

Mark 1.00 out of 1.00

Which of the following SQL commands is used to remove table "EMPLOYEE" present in the database? Choose most appropriate option.

Select one:

- a. DELETE TABLE EMPLOYEE;
- b. TRUNCATE TABLE EMPLOYEE;
- c. REMOVE TABLE EMPLOYEE;
- d. DROP TABLE EMPLOYEE; ✓

The correct answer is: DROP TABLE EMPLOYEE;

Question 35

Correct

Mark 1.00 out of 1.00

Which of the following statement(s) is/are TRUE?

- (i) In a non-correlated(independent) subquery, the subquery is always executed only once.
- (ii) In a non-correlated(independent) subquery, the inner query (sub query) references the column from the outer query (main query).

Choose most appropriate option

Select one:

- a. Only (ii)
- b. Neither (i) nor (ii)
- c. Only (i) ✓
- d. Both (i) and (ii)

The correct answer is: Only (i)

Question 36

Correct

Mark 1.00 out of 1.00

Identify the CORRECT SQL statement to create a Account table with composite primary key (AccountNumber, CustomerId).

Choose most appropriate option

Select one:

- a. CREATE TABLE Account (AccountNumber Number(5) CONSTRAINT Acc_Pkey1 PRIMARY KEY, CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY, OpeningDate Date, Balance Number(10,2));
- b. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey COMPOSITE PRIMARY KEY (AccountNumber,CustomerId));
- c. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId)); ✓
- d. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY (AccountNumber,CustomerId), OpeningDate Date, Balance Number(10,2));

Your answer is correct.

The correct answer is: CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId));

Question 37

Correct

Mark 1.00 out of 1.00

Consider the tables given below.
Customer(customerId,(customerName)
Book(bookId, bookName)
Purchase(purchaseId, bookId, customerId)

bookId and customerId in purchase table are foreign keys referring to Book and Customer tables respectively.

Which is the CORRECT SQL statement to retrieve customer name and book name for all books purchased by customers.

Select one:

- a. `SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
ON c.customerId=p.customerId
INNER JOIN book b
ON b.bookid=p.bookid; ✓`
- b. `SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
ON c.customerId=p.customerId
SELF JOIN book b
ON b.bookid=p.bookid;`
- c. `SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
ON c.customerId=p.customerId;`
- d. `SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
INNER JOIN book b
ON b.bookid=p.bookid AND c.customerId=p.customerId;`

Your answer is correct.

The correct answer is: `SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
ON c.customerId=p.customerId
INNER JOIN book b
ON b.bookid=p.bookid;`

Question 38

Correct

Mark 1.00 out of 1.00

'link', 'vlink' and 'alink' are attributes of which HTML tag?

Choose the most appropriate option.

Select one:

- a. <head>
- b.
- c. <a>
- d. <body> ✓

Your answer is correct.

The correct answer is: <body>

Question 39

Correct

Mark 1.00 out of 1.00

Which of the following attribute is used by a HTML tag to apply inline style? Choose most appropriate option.

Select one:

- a. styleclass
- b. style ✓
- c. class
- d. id

Your answer is correct.

The correct answer is: style

Question 40

Incorrect

Mark 0.00 out of 1.00

Which of the following CSS code is the correct one to apply style to tag 'P'? Choose most appropriate option.

Select one:

- a. p { color:red; text-align:center; }
- b. p { color:red; text-align:center }
- c. p { color:red; text-align:center }; ✗
- d. p (color:red; text-align:center;)

The correct answer is: p { color:red; text-align:center; }

Question 41

Correct

Mark 1.00 out of 1.00

Which of the following is not a method of document object? Choose most appropriate option.

Select one:

- a. write(String)
- b. print(String) ✓
- c. getElementByTagName(String)
- d. getElementById(String)

The correct answer is: print(String)

Question 42

Correct

Mark 1.00 out of 1.00

Choose from below the valid syntax to show "Welcome to JS!!" to user in JavaScript using a pop up. Choose most appropriate option

Select one:

- a. alert("Welcome to JS!!"); ✓
- b. alert(Welcome to JS!!);
- c. alertmsg("Welcome to JS!!");
- d. alertBox("Welcome to JS!!");

The correct answer is: alert("Welcome to JS!!");



Question 43

Correct

Mark 1.00 out of 1.00

Consider the HTML code given below.

```
<html>
<head>
<script>
var key=10;
function add(){
    var key=20;
    window.key=key+1;
    document.write(key);
    document.write(" ");
    print();
}
function print(){
    document.write(key);
}
</script>
</head>
<body>
<form>
<input type="s
```

Select one:

- a. 11 11
- b. 20 21 ✓
- c. 21 21
- d. 11 10

Your answer is correct.

The correct answer is: 20 21

Question 44

Correct

Mark 1.00 out of 1.00

Steve is learning to draw a flowchart to calculate the volume of a cuboid. Which of the options given below would fit into the process section of the flow chart?

Select one:

- a. Read the value of l,b,h(l represents the length, b represents the breadth, h represents the height)
- b. display the volume of the cuboid
- c. Volume=l*b*h ✓
- d. check if l,b,h have positive value

Your answer is correct.

The correct answer is: Volume=l*b*h



Question 45

Correct

Mark 1.00 out of 1.00

The properties of good program must have_____

Select one:

- a. Fault Prevention and fault tolerance ✓
- b. Component dependence
- c. Poor Design for change
- d. Modules tightly connected

Your answer is correct.

The correct answer is:

Fault Prevention and fault tolerance

Question 46

Correct

Mark 1.00 out of 1.00

Carefully read the question and answer accordingly. One of the best application of Stack is

Select one:

- a. Radix sort
- b. Breadth First Search
- c. Recursion ✓
- d. Array

The correct answer is: Recursion

Question 47

Correct

Mark 1.00 out of 1.00

Carefully read the question and answer accordingly. What operation is processed for each element in the list

Select one:

- a. Inserting
- b. Sorting
- c. Traversal ✓
- d. Merging

The correct answer is: Traversal

Question 48

Correct

Mark 1.00 out of 1.00

An algorithm which executes on constant time period can be denoted as

Select one:

- a. O(1) ✓
- b. O(n)
- c. O(nlogn)
- d. O(n²)

The correct answer is: O(1)

Question 49

Correct

Mark 1.00 out of 1.00

Which algorithm is the best sorting method in-place with no quadratic worst-case scenarios?

Select one:

- a. Heap Sort ✓
- b. Quick Sort
- c. Selection Sort
- d. Bubble Sort

The correct answer is: Heap Sort

Question 50

Correct

Mark 1.00 out of 1.00

What is the time complexity of find_count()?

```
int find_count(int i)
{
    int c=0;
    for(int m=0;m<i;m++)
        for(int n=m;n>0;n--)
            c=c+1;
    return c;
}
```

Select one:

- a. theta(n^2) ✓
- b. theta(n)
- c. theta($n \log n \log n$)
- d. theta($n^* \log n$)

The correct answer is: theta(n^2)

Started on Friday, 5 June 2020, 6:15 PM

State Finished

Completed on Friday, 5 June 2020, 7:35 PM

Time taken 1 hour 20 mins

Grade 44 out of 50 (88%)

Question 1

Correct

Mark 1 out of 1

Identify the CORRECT SQL statement(s) to remove ONLY the data from "Employee" table?

- (i) DROP TABLE Employee;
 - (ii) DELETE FROM Employee;
 - (iii) TRUNCATE TABLE Employee;
- Choose most appropriate option.

Select one:

- a. Both (i) and (iii)
- b. Both (ii) and (iii) ✓
- c. Both (i) and (ii)
- d. (i), (ii) and (iii)

The correct answer is: Both (ii) and (iii)

Question 2

Correct

Mark 1 out of 1

The employee table contains EmployeeNumber, EmployeeName, Salary and DeptCode Columns. Which is the CORRECT SQL query to display DeptCode and average salary of each department? Choose most appropriate option.

Select one:

- a. SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode; ✓
- b. SELECT DeptCode,avg(salary) FROM Employee GROUP BY Salary;
- c. SELECT DeptCode,avg(salary) FROM Employee;
- d. SELECT DeptCode,avg(salary) FROM Employee GROUP BY EmployeeNumber;

The correct answer is: SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode;

Question 3

Correct

Mark 1 out of 1

The employee tables contains EmployeeId,EmployeeName and DeptCode Columns. Which is the CORRECT SQL query to display the EmployeeId and EmployeeName of employees who are working in DeptCode 10 OR 20?

- (i) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode IN (10,20);
 - (ii) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode = 10 OR DeptCode = 20;
- Choose most appropriate option.

Select one:

- a. Both (i) and (ii) ✓
- b. Neither (i) nor (ii)
- c. Only (ii)
- d. Only (i)

The correct answer is: Both (i) and (ii)

Question**4**

Correct

Mark 1 out of 1

Consider the table Student(StudentId, StudentName, Email, PercentageOfMarks). Which is the CORRECT query to display the details in the ascending order (lowest to highest) of PercentageOfMarks and in the descending order of StudentId in case PercentageOfMarks is the same. Choose most appropriate option

Select one:

- a. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId;
- b. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId DESC;
- c. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC; ✓
- d. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY StudentId DESC, PercentageOfMarks;

The correct answer is: SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;

Question**5**

Correct

Mark 1 out of 1

What is the SQL query for finding the total number of rows in a given table 'emp'? Choose most appropriate option.

Select one:

- a. SELECT SUM FROM EMP;
- b. SELECT COUNT(*) FROM EMP; ✓
- c. SELECT COUNT FROM EMP;
- d. SELECT SUM(*) FROM EMP;

The correct answer is: SELECT COUNT(*) FROM EMP;

Question**6**

Correct

Mark 1 out of 1

Consider table Item(itemId, category, unitprice). Identify the appropriate SQL statement to display item id and discount in the ascending order of discount. [Note: Discount should be 10% of unitprice] Choose most appropriate option.

Select one:

- a. select itemId, discount from Item order by discount;
- b. select itemId, unitprice*0.1 as discount from Item order by discount; ✓
- c. select itemId, unitprice*0.1 as discount from Item order by itemId;
- d. select itemId, discount=unitprice*0.1 from Item order by discount;

The correct answer is: select itemId, unitprice*0.1 as discount from Item order by discount;

Question**7**

Correct

Mark 1 out of 1

which command help us to get back the permission of accessing the table.

Select one:

- a. rollback
- b. commit
- c. revoke ✓
- d. grant

The correct answer is: revoke

Question**8**

Correct

Mark 1 out of 1

Identify the CORRECT SQL statement to create a table with composite primary key. Choose most appropriate option.

Select one:

- a. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey COMPOSITE PRIMARY KEY (AccountNumber,CustomerId));
- b. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId)); ✓
- c. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY (AccountNumber,CustomerId), OpeningDate Date, Balance Number(10,2));
- d. CREATE TABLE Account (AccountNumber Number(5) CONSTRAINT Acc_Pkey1 PRIMARY KEY, CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY, OpeningDate Date, Balance Number(10,2));

The correct answer is: CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId));

Question**9**

Incorrect

Mark 0 out of 1

Consider the table Employee(empid, empname, designation). Identify the appropriate SQL statement to retrieve all employees whose designation is either 'S' or 'A'. Choose most appropriate option.

Select one:

- a. SELECT * FROM Employee WHERE designation =('S' , 'A');
- b. SELECT * FROM Employee WHERE designation IN('S' , 'A');
- c. SELECT * FROM Employee WHERE designation =('S' OR 'A'); ✗
- d. SELECT * FROM Employee WHERE designation IN('S' OR 'A');

The correct answer is: SELECT * FROM Employee WHERE designation IN('S' , 'A');

Question**10**

Correct

Mark 1 out of 1

What would be the output of the SQL statement given below? SELECT SUBSTR("Accenture",3,4) FROM DUAL; Choose most appropriate option.

Select one:

- a. entu
- b. ntur
- c. centu
- d. cent ✓

The correct answer is: cent

Question**11**

Correct

Mark 1 out of 1

Consider table Customer(cid NUMBER(4), cname VARCHAR2(10)) has some records. Identify the appropriate ALTER statements (choose 2) which executes on table Customer [Note: There is no null value for any column]

Select one or more:

- a. ALTER TABLE Customer ADD dob DATE DEFAULT '30-Jun-1995'; ✓
- b. ALTER TABLE Customer MODIFY cname VARCHAR2(15); ✓
- c. ALTER TABLE Customer ADD CONSTRAINT cust_name NOT NULL(cname);
- d. ALTER TABLE Customer MODIFY cid NUMBER(2);

The correct answers are: ALTER TABLE Customer ADD dob DATE DEFAULT '30-Jun-1995';, ALTER TABLE Customer MODIFY cname VARCHAR2(15);

Question 12

Correct

Mark 1 out of 1

Consider the table employee(empname,salary) with some records. Identify a correct SQL statement to retrieve unique combination of empname and salary. Choose most appropriate option.

Select one:

- a. select empname,salary from employee;
- b. select distinct empname,distinct salary from employee;
- c. select distinct empname,salary from employee; ✓
- d. select empname,distinct salary from employee;

The correct answer is: select distinct empname,salary from employee;

Question 13

Correct

Mark 1 out of 1

Assume that table Asset(assetId number(2)) is created and 2 records are already inserted and saved.

```
COMMIT;
DELETE FROM ASSET;
ROLLBACK;
INSERT INTO ASSET VALUES(5);
COMMIT;
```

What would be the output of the below SQL statement after executing the above statements sequentially.

```
SELECT COUNT(*) FROM Asset;
```

Select one:

- a. 0
- b. 3 ✓
- c. 2
- d. 1

Your answer is correct.

The correct answer is: 3

Question 14

Correct

Mark 1 out of 1

Consider the below tables.

Event(eventId,eventName) – eventId is primary key

Employee(empld, empName, eventId) – empld is primary key and eventId is foreign key referring to Event table.

Identify the correct SQL statement to retrieve empid, empname and eventName for all employees. If employee has not registered for an event then it should display 'Not Registered'.

Select one:

- a. SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM event e2 INNER JOIN employee e1 ON e2.eventId=e1.eventId;
- b. SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 LEFT OUTER JOIN event e2 ON e1.eventId=e2.eventId; ✓
- c. SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM event e2 LEFT OUTER JOIN employee e1 ON e2.eventId=e1.eventId;
- d. SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 RIGHT OUTER JOIN event e2 ON e1.eventId=e2.eventId;

Your answer is correct.

The correct answer is: SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 LEFT OUTER JOIN event e2 ON e1.eventId=e2.eventId;

Question 15

Correct

Mark 1 out of 1

Consider a table with the name Project is created using the SQL statement given below

```
CREATE TABLE Project(
    projectid VARCHAR2(10) CONSTRAINT pkey PRIMARY KEY,
    projectname VARCHAR2(10) CONSTRAINT pnull NOT NULL,
    employeecount NUMBER(2) DEFAULT 0);
```

Which of the following statements insert record successfully to the Project table [Choose 2]

Select one or more:

- a. INSERT INTO project VALUES('P1','Finance')
- b. INSERT INTO project(projectid,projectname) VALUES('P2','Finance'); ✓
- c. INSERT INTO project(projectid,employeecount) VALUES('P3',10);
- d. INSERT INTO project VALUES('P1','Finance',20); ✓

Your answer is correct.

The correct answers are: INSERT INTO project VALUES('P1','Finance',20);, INSERT INTO project(projectid,projectname) VALUES('P2','Finance');

Question 16

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
class Vehicle
{
    public Vehicle()
    {
        System.out.print("Default ");
    }
}
class Car extends Vehicle
{
    public Car(String carName)
    {
        System.out.print(carName + "");
    }
}
public class InheritanceTester
{
    public static void main(String[] args)
    {
        Car car=new Car("Ford");
    }
}
```

Choose the most appropriate option.

Select one:

- a. Ford ✗
- b. Ford Default
- c. Compilation error: Parent class 'Vehicle' does not have parameterized constructor
- d. Default Ford

The correct answer is: Default Ford

Question 17

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class Rectangle
{
    private int length;
    private int width;
    public static void main(String[] args)
    {
        Rectangle rectangle1 = new Rectangle();
        rectangle1.length=10;
        rectangle1.width=5;
        Rectangle rectangle2 = rectangle1;
        System.out.println("Length : "+rectangle2.length);
        System.out.println("Width : "+rectangle2.width);
    }
}
```

Choose the most appropriate option.

Select one:

- a. Length : 0 Width : 0
- b. Length : 10 Width : 5 ✓
- c. Length : null Width : null
- d. Length: 5 Width: 10

The correct answer is: Length : 10 Width : 5

Question 18

Correct

Mark 1 out of 1

Identify the appropriate relationship between the classes House and Room. Assume that getter and setter methods for all instance variables are implemented

```
class Room
{
    private int length;
    private float width;
}
class House
{
    private float area;
    private Room room;
    public House()
    {
        room=new Room();
    }
}
```

Choose the most appropriate option

Select one:

- a. No relationship exists between class House and class Room
- b. Aggregation
- c. Composition ✓
- d. Specialization

The correct answer is: Composition

Question 19

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int i=0;
        for(i=0; i<10; i++)
        {
            if(i == 5)
            {
                continue;
            }
            i++;
            System.out.print(i + " ");
        }
    }
}
```

Choose the most appropriate option.

Select one:

- a. 1 2 3 4 and then program will get into infinite loop
- b. 1 2 3 4 6 7 8 9
- c. 1 2 3 4 5 6 7 8 9
- d. 1 3 5 7 9 ✓

The correct answer is: 1 3 5 7 9

Question 20

Correct

Mark 1 out of 1

Identify the relationship between the class Patient and class Doctor which are given below.

```
public class Patient
{
    private String name;
    //getter and setter methods
}
public class Doctor
{
    private String name;
    private String specialization;
    //getter and setter methods
    public void treatPatient(Patient patient)
    {
        //valid Java code
    }
}
```

Choose the most appropriate option.

Select one:

- a. No relationship exists between Doctor class and Patient class
- b. Inheritance
- c. Composition
- d. Aggregation ✓

The correct answer is: Aggregation

Question 21

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        String s1 = "One";
        String s2 = "One";
        System.out.println((s1==s2) + " " + s1.equals(s2));
    }
}
```

Choose the most appropriate option.

Select one:

- a. true true ✓
- b. false true
- c. true false
- d. false false

The correct answer is: true true

Question 22

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class Employee
{
    private static int count; static
    {
        Employee.count = 101;
    }
    public Employee()
    {
        Employee.count = 201;
    }
    public static int getCount()
    {
        return Employee.count;
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        Employee emp = new Employee();
        System.out.println(emp.getCount());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 101
- b. 201 ✓
- c. null
- d. 0

The correct answer is: 201

Question 23

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class LocalVariableTester
{
    public static void main(String[] args)
    {
        int data1=8, data2;
        if(data1 >= 10)
        {
            data2 = 20;
        }
        System.out.println(data1 + " " + data2);
    }
}
```

Choose the most appropriate option

Select one:

- a. 10 20
- b. 10 0
- c. Compilation error: The local variable 'data2' may not have been initialized ✓
- d. 10 null

The correct answer is: Compilation error: The local variable 'data2' may not have been initialized

Question 24

Correct

Mark 1 out of 1

Which of the following statement(s) is/are FALSE?

- (i) 'package' statement can appear anywhere in the Java code
- (ii) In a Java code, only one 'import' statement can be written

Choose the most appropriate option.

Select one:

- a. Only (i) is FALSE
- b. Both (i) and (ii) are TRUE
- c. Both (i) and (ii) are FALSE ✓
- d. Only (ii) is FALSE

The correct answer is: Both (i) and (ii) are FALSE

Question 25

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class MyClass
{
    private static int data;
    static
    {
        MyClass.data = 999;
    }
    public static int getData()
    {
        return data;
    }
    public static void setData(int data)
    {
        MyClass.data = data;
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        MyClass ref1 = new MyClass();
        MyClass ref2 = new MyClass();
        System.out.print(ref1.getData());
        ref2.setData(111);
        System.out.println(" " + ref1.getData());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 999 111 ✓
- b. 999 999
- c. 111 111
- d. 0 111

The correct answer is: 999 111

Question 26

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class Employee
{
    private static int employeeCount;
    public Employee()
    {
        employeeCount++;
        //Line-1
    }
    public static int getEmployeeCount()
    {
        return Employee.employeeCount;
    }
}
public class StaticTester
{
    public static void main(String[] args)
    {
        Employee emp1 = new Employee();
        Employee emp2 = new Employee();
        Employee emp3 = new Employee();
        System.out.println(Employee.getEmployeeCount());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 1
- b. 3
- c. Compilation error at Line-1: Cannot use static member 'employeeCount' in a non-static context ✘
- d. 0

The correct answer is: 3

**Question
27**

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class Vehicle
{
    protected String enginePower;
    public Vehicle()
    {
        this.enginePower = "100CC";
    }
    public String getEnginePower()
    {
        return this.enginePower;
    }
}
public class PassengerVehicle extends Vehicle
{
    private int capacity;
    public PassengerVehicle()
    {
        this.capacity = 50;
        this.enginePower = "150CC";
    }
    public int getCapacity()
    {
        return this.capacity;
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        Vehicle vehicle = new PassengerVehicle();
        System.out.println(vehicle.getEnginePower());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 100CC150CC
- b. 150CC ✓
- c. 100CC
- d. null

The correct answer is: 150CC

**Question
28**

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class Employee
{
    private String mailId;
    public void setEmailId(String mailId)
    {
        this.mailId = mailId;
    }
    public String getEmailId()
    {
        return this.mailId;
    }
}
public class UtilityClass
{
    public static void updateEmailId(Employee emp)
    {
        emp.setEmailId("xyz@accenture.com");
    }
}
public class ApplicationTester { public static void main(String[] args)
{
    Employee employee1 = new Employee();
    employee1.setEmailId("abc@gmail.com");
    UtilityClass.updateEmailId(employee1);
    //Line-1
    System.out.println(employee1.getEmailId());
}
}
```

Choose the most appropriate option.**Select one:**

- a. null
- b. xyz@accenture.com ✓
- c. Compilation error at Line-1: Invalid method call 'UtilityClass.updateEmailId(String)'
- d. abc@gmail.com

The correct answer is: xyz@accenture.com

Question 29

Correct

Mark 1 out of 1

Predict the output of the following Java code.

```
public class Customer
{
    public void getCustomer(String customer_name)
    {
        System.out.println("Customer name is : "+customer_name);
    }
    public void getCustomer(int customerId, String customer_location)
    {
        System.out.println("Customer location : "+customer_location+ " & Customer Id : "+customerId);
    }
    public void getCustomer(int customerId, float reward_points)
    {
        System.out.println("Customer Id : "+customerId+ " & reward points till date is :" +reward_points);
    }
    public static void main(String[] args)
    {
        Customer c = new Customer();
        c.getCustomer("Smith");
        c.getCustomer(1232,560.0f);
        c.getCustomer(1232, "Florida");
    }
}
```

Choose the most appropriate option.

Select one:

- a. Customer name is : Smith
Customer location : Florida reward points till date is :560
Customer location : Florida & Customer Id : 1232
- b. Compilation Error. The method getCustomer(int, String) in the type Customer is not applicable for the arguments (int, float)
- c. Customer name is : Smith
Customer Id : 1232 & reward points till date is :560.0
Customer location : Florida & Customer Id : 1232 ✓
- d. Customer name is : Smith
Customer location : Florida & Customer Id : NULL
Customer Id : NULL & reward points till date is :560

The correct answer is: Customer name is : Smith
Customer Id : 1232 & reward points till date is :560.0
Customer location : Florida & Customer Id : 1232

Question 30

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public interface MyInterface
{
    int MY_DATA = 100; public void display();
}
public class MyClass implements MyInterface
{
    public MyClass()
    {
        MyInterface.MY_DATA = 200;
        //Line-1
    }
    public void display()
    {
        System.out.println(MyInterface.MY_DATA);
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        MyInterface ref = new MyClass();
        //Line-2 ref.display();
    }
}
```

Choose the most appropriate option.

Select one:

- a. 100
- b. Compilation error at Line-1: The final field MyInterface.MY_DATA cannot be assigned ✓
- c. Compilation error at Line-2: Invalid reference type 'MyInterface'
- d. 200

The correct answer is: Compilation error at Line-1: The final field MyInterface.MY_DATA cannot be assigned

Question 31

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class MyClass
{
    private static int count;
    static
    {
        MyClass.count = 100;
        //Line-1
        int count = 100;
        //Line-2
    }
    public MyClass()
    {
        count++ ;
    }
    public static int getCount()
    {
        return count;
    }
}
public class StaticTester
{
    public static void main(String[] args)
    {
        MyClass ref1 = new MyClass();
        MyClass ref2 = new MyClass();
        System.out.println(ref1.getCount());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 2
- b. Compilation error at Line-2: Duplicate variable 'count'
- c. 102
- d. Compilation error at Line-1: Invalid variable reference 'MyClass.count' ✗

The correct answer is: 102

Question 32

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class MyClass
{
    public static void main (String[] args)
    {
        int value1=33;
        int value2=-value1;
        int value3=value1++;
        System.out.println(value1+" "+value2+" "+value3);
    }
}
```

Choose the most appropriate option.

Select one:

- a. 32 32 32
- b. 32 33 32
- c. 32 32 33 ✗
- d. 33 32 32

The correct answer is: 33 32 32

Question 33

Correct

Mark 1 out of 1

Given the below code. What is output ?

```
class Currency
{
    private String country = "Canada";
    public String getC()
    {
        return country;
    }
}
class JapeneseYen extends Currency
{
    public String getC()
    {
        return super.country; //Line 12
    }
}
public class AustralianDollar extends Currency
{
    public String getC(int x)
    {
        return super.getC();
    }
    public static void main(String[] args)
    {
        System.out.print(new JapeneseYen().getC() + " " + new AustralianDollar().getC());
    }
}
```

Choose most appropriate option.

Select one:

- a. Canada null
- b. Compilation fails due to an error on line 12 ";country is not visible "; ✓
- c. null Canada
- d. Canada Canada
- e. null null

The correct answer is: Compilation fails due to an error on line 12 ";country is not visible ".

Question 34

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        for(int i=0; i<=10; i++)
        {
            if(i>6)
                break;
            System.out.println(i); //Line-1
        }
    }
}
```

Choose most appropriate option.

Select one:

- a. Compilation error at Line-1: i cannot be resolved to a variable ✓
- b. null
- c. 6
- d. 5

The correct answer is: Compilation error at Line-1: i cannot be resolved to a variable

Question 35

Correct

Mark 1 out of 1

What is the output of the following code?

```
class Account
{
    int balance;
    public void createAccount()
    {
        balance = 1000;
    }
    public int getMinimumBalance()
    {
        return balance;
    }
}
class SalaryAccount extends Account
{
    private String companyName;
    public SalaryAccount(String companyName)
    {
        this.companyName = companyName;
    }
    public void createAccount()
    {
        balance = 500;
    }
    public void checkCompany()
    {
        if (companyName.equalsIgnoreCase("Accenture"))
        {
            balance = 0;
        }
    }
}
public class MainClass
{
    public static void main(String[] args)
    {
        Account account = new SalaryAccount("Accenture");
        account.createAccount();
        System.out.println("Balance : " + account.getMinimumBalance());
        account.checkCompany();
        System.out.println("Balance : " + account.getMinimumBalance());
    }
}
```

Choose the most appropriate option.

Select one:

- a. Balance: 1000 Balance: 500
- b. Compilation Error: The method checkCompany() is undefined for the type Account ✓
- c. Balance: 1000 Balance: 0
- d. Balance: 500 Balance: 0

The correct answer is: Compilation Error: The method checkCompany() is undefined for the type Account

Question 36

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
class Base
{
    protected void getDetails()
    {
        System.out.println("Base method");
    }
}
class Derived extends Base
{
    private void getDetails()
    {
        System.out.println("Derived method");
    }
}
public class Main
{

    public static void main(String[] args)
    {
        Base obj=new Derived();
        obj.getDetails();

    }
}
```

Select one:

- a. Prints "Base method"
- b. prints both "Base method" "Derived method"
- c. compilation error :weaker access privileges ✓
- d. Prints "Dervied method"

The correct answer is: compilation error :weaker access privileges

Question 37

Correct

Mark 1 out of 1

Refer to the below code:

```
<script>
function helloMessage(){
    var jsName = //Line1 alert('Hello '+jsName+' !')
}
</script>
<form>
Enter First Name : <input type="text" name="firstName" id="first"><br>
<input type="button" value="Click Here!" onclick="helloMessage()">
</form>
```

Which is the CORRECT code to be inserted at "Line1" to make the JavaScript run properly? Choose most appropriate option

Select one:

- a. document.getElementById('first').value; ✓
- b. document.getElementByld.first.value;
- c. document.getElementByName('first').value;
- d. document.getElement('first').value;

The correct answer is: document.getElementById('first').value;

Question 38

Correct

Mark 1 out of 1

which of the following code creates a list box from which user can select more than one option?

Select one:

- a. <select type=multiValue>
<option> P </option>
<option> G </option>
<option> S </option>
</select>
- b. <select type=multiple>
<option> P </option>
<option> G </option>
<option> S </option>
</select>
- c. <select name='type' multiValue>
<option> P </option>
<option> G </option>
<option> S </option>
</select>
- d. <select name='type' multiple>
<option> P </option>
<option> G </option>
<option> S </option>
</select> ✓

Your answer is correct.

The correct answer is: <select name='type' multiple>


```
<option> P </option><br />
<option> G </option><br />
<option> S </option><br />
</select>
```

Question 39

Correct

Mark 1 out of 1

Which of the following attribute is used by a HTML tag to apply inline style? Choose most appropriate option.

Select one:

- a. id
- b. class
- c. style ✓
- d. styleclass

Your answer is correct.

The correct answer is: style

Question 40

Correct

Mark 1 out of 1

Johana wants to display "Welcome to JS!!" as a pop up message using JavaScript. Which of the following suits her requirement?

Select one:

- a. alertmsg("Welcome to JS!!");
- b. alert("Welcome to JS!!"); ✓
- c. alert(Welcome to JS!!);
- d. alertBox("Welcome to JS!!");

The correct answer is: alert("Welcome to JS!!");

Question 41

Correct

Mark 1 out of 1

Which of the following is the correct html form element to create the checkbox in a web page? Choose most appropriate option.

Select one:

- a. <input type="checkbox"> ✓
- b. <input checkbox>
- c. <input=checkbox>
- d. <checkbox>

The correct answer is: <input type="checkbox">

Question 42

Correct

Mark 1 out of 1

Which of the following is not a method of document object? Choose most appropriate option.

Select one:

- a. getElementById(String)
- b. write(String)
- c. getElementByTagName(String)
- d. print(String) ✓

The correct answer is: print(String)

Question 43

Correct

Mark 1 out of 1

Which of the following statements is TRUE for CSS?

- A. An external style sheet is ideal when the style is applied to many pages
 - B. An inline style created for a html tag can be reused for other tags in same page.
- Choose most appropriate option.

Select one:

- a. Only A ✓
- b. Only B
- c. Both A and B
- d. Neither A nor B

The correct answer is: Only A

Question 44

Correct

Mark 1 out of 1

Identify the CORRECT statements with respect to CSS.

- a) CSS is used for giving style for HTML content
 - b) External style sheet can be used only for one HTML page in a website
- Choose most appropriate option.

Select one:

- a. only a ✓
- b. only b
- c. neither a nor b
- d. both a and b

The correct answer is: only a

Question 45

Correct

Mark 1 out of 1

Which of the following is correct syntax to refer an external java script file called "formValidation.js"? Choose most appropriate option.

Select one:

- a. <script name = "formValidation.js"></script>
- b. <script href = "formValidation.js"></script>
- c. <script source = "formValidation.js"></script>
- d. <script src = "formValidation.js"></script>

The correct answer is: <script src = "formValidation.js"></script>

Question 46

Incorrect

Mark 0 out of 1

Identify the CORRECT HTML code to define the state of the hyperlink. The requirement is to display the hyperlink "Click" in RED color if user has already visited "https://portal.accenture.com". Choose most appropriate option.

Select one:

- a. <html>
 <body>
 Click
 </body>
 </html>
- b. <html>
 <body vlink="red" >
 Click
 </body>
 </html>
- c. <html>
 <body link="red" >
 Click
 </body>
 </html>
- d. <html>
 <body>
 Click
 </body>
 </html>

The correct answer is: <html>
 <body vlink="red" >
 Click
 </body>
</html>

Question 47

Correct

Mark 1 out of 1

Which method is used to remove focus from the specified object? Choose most appropriate option.

Select one:

- a. onfocus()
- b. onclick()
- c. onsubmit()
- d. onblur()

The correct answer is: onblur()

**Question
48**

Correct

Mark 1 out of 1

Consider the HTML code given below.

```
<html>
  <head>
    <script>
      var key=10;
      function add(){
        var key=20;
        window.key=key+1;
        document.write(key);
        document.write(" ");
        print();
      }
      function print(){
        document.write(key);
      }
    </script>
  </head>
  <body>
    <form>
      <input type="submit" onclick="add()" />
    </form>
  </body>
</html>
```

What will be displayed after executing the above code?

Choose the most appropriate option.

Select one:

- a. 20 21 ✓
- b. 21 21
- c. 11 11
- d. 11 10

Your answer is correct.

The correct answer is: 20 21

**Question
49**

Correct

Mark 1 out of 1

What would be the output of the Javascript code given below?

```
<html>
<body>
<script>
var num1=100;
function test(){
    num2=200;
    var num1=300;
    num1=num2;
}
test();
document.write(num1 + "-" +num2);
</script>
</body>
</html>
```

Select one:

- a. 300-200
- b. 200-200
- c. 100-200 ✓
- d. 300-100

Your answer is correct.

The correct answer is: 100-200

**Question
50**

Correct

Mark 1 out of 1

Consider the javascript code given below. What would be the print values from line 1 and line 2 on execution?

```
<html>
<body>
<p id="id1"></p><!-- line 1-->
<p id="id2"></p><!-- line 2-->
<script>
var y=10;
myFunction();
document.getElementById("id1").innerHTML = y;
document.getElementById("id2").innerHTML = window.y;
function myFunction() {
y=20;
y=y+window.y
}
</script>
</body>
</html>
```

Choose the most appropriate option.

Select one:

- a. 40 40 ✓
- b. 10 40
- c. 10 30
- d. 10 10

Your answer is correct.

The correct answer is: 40 40

Started on Friday, 12 June 2020, 5:24 PM

State Finished

Completed on Friday, 12 June 2020, 6:22 PM

Time taken 57 mins 39 secs

Grade 41 out of 50 (82%)

Question 1

Correct

Mark 1 out of 1

Which is the CORRECT SQL statement to add the new column "DateOfJoining" to an existing table "Employee"? Choose most appropriate option.

Select one:

- a. ALTER TABLE Employee UPDATE DateOfJoining DATE;
- b. ALTER TABLE Employee ADD DateOfJoining DATE; ✓
- c. CREATE TABLE Employee ADD DateOfJoining DATE;
- d. ALTER TABLE Employee MODIFY DateOfJoining DATE;

The correct answer is: ALTER TABLE Employee ADD DateOfJoining DATE;

Question 2

Correct

Mark 1 out of 1

The employee tables contains EmployeeId,EmployeeName and DeptCode Columns. Which is the CORRECT SQL query to display the EmployeeId and EmployeeName of employees who are working in DeptCode 10 OR 20?

- (i) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode IN (10,20);
- (ii) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode = 10 OR DeptCode = 20;

Choose most appropriate option.

Select one:

- a. Both (i) and (ii) ✓
- b. Neither (i) nor (ii)
- c. Only (ii)
- d. Only (i)

The correct answer is: Both (i) and (ii)

Question 3

Correct

Mark 1 out of 1

The employee table contains EmployeeNumber, EmployeeName, Salary and DeptCode Columns. Which is the CORRECT SQL query to display DeptCode and average salary of each department? Choose most appropriate option.

Select one:

- a. SELECT DeptCode,avg(salary) FROM Employee GROUP BY EmployeeNumber;
- b. SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode; ✓
- c. SELECT DeptCode,avg(salary) FROM Employee GROUP BY Salary;
- d. SELECT DeptCode,avg(salary) FROM Employee;

The correct answer is: SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode;



Question 4

Correct

Mark 1 out of 1

Identify the CORRECT SQL statement(s) to remove ONLY the data from "Employee" table?

- (i) DROP TABLE Employee;
 - (ii) DELETE FROM Employee;
 - (iii) TRUNCATE TABLE Employee;
- Choose most appropriate option.

Select one:

- a. Both (ii) and (iii) ✓
- b. Both (i) and (iii)
- c. Both (i) and (ii)
- d. (i), (ii) and (iii)

The correct answer is: Both (ii) and (iii)

Question 5

Correct

Mark 1 out of 1

Consider a table Account(accountId, balance).

Observe the below statements. Few queries results in same output. Identify those queries. (Choose two).

Select one or more:

- a. SELECT * FROM Account WHERE balance > 1000 AND balance < 5000;
- b. SELECT * FROM Account WHERE balance >= 1000 AND balance <= 5000; ✓
- c. SELECT * FROM Account WHERE balance between 1000 AND 5000; ✓
- d. SELECT * FROM Account WHERE balance >= 1000 OR balance <= 5000;

The correct answers are: SELECT * FROM Account WHERE balance >= 1000 AND balance <= 5000; SELECT * FROM Account WHERE balance between 1000 AND 5000;

Question 6

Correct

Mark 1 out of 1

Which of the following can be created as a table level constraint?

- (i) primary Key
- (ii) foreign key
- (iii) unique

Choose most appropriate option.

Select one:

- a. (i) and (iii)
- b. (i) only
- c. (i) and (ii)
- d. (i), (ii) and (iii) ✓

The correct answer is: (i), (ii) and (iii)

Question 7

Incorrect

Mark 0 out of 1

Consider table Students(studentId, branchid). Identify the CORRECT SQL statement to retrieve the branches which has more than 3 students. Choose most appropriate option.

Select one:

- a. SELECT branchid FROM Students GROUP BY branchid HAVING COUNT(*) > 3;
- b. SELECT branchid FROM Students HAVING COUNT(*) >3;
- c. SELECT branchid FROM Students WHERE COUNT(*) >3 GROUP BY branchid;
- d. SELECT branchid FROM Students GROUP BY studentId HAVING COUNT(*) > 3; ✗

The correct answer is: SEL ECT branchid FROm Students GROUp BY branchid HAVING COunt(*) > 3;

Question 8

Correct

Mark 1 out of 1

Consider table Item(itemId, category, unitprice). Identify the appropriate SQL statement to display item id and discount in the ascending order of discount. [Note: Discount should be 10% of unitprice] Choose most appropriate option.

Select one:

- a. select itemId, discount=unitprice*0.1 from Item order by discount;
- b. select itemId, unitprice*0.1 as discount from Item order by itemId;
- c. select itemId, unitprice*0.1 as discount from Item order by discount; ✓
- d. select itemId, discount from Item order by discount;

The correct answer is: select itemId, unitprice*0.1 as discount from Item order by discount;

Question 9

Correct

Mark 1 out of 1

Consider the table Products(pid,pname,pcost). Identify the appropriate SQL statement to rename the table to ProductsInfo . Choose most appropriate option.

Select one:

- a. ALTER TABLE Products UPDATE TO ProductsInfo;
- b. ALTER TABLE Products RENAME ProductsInfo;
- c. ALTER TABLE Products RENAME TO ProductsInfo; ✓
- d. ALTER TABLE RENAME Products TO ProductsInfo;

The correct answer is: ALTER TABLE Products RENAME TO ProductsInfo;

Question 10

Correct

Mark 1 out of 1

Which of the following SQL commands is used to remove table "EMPLOYEE" present in the database? Choose most appropriate option.

Select one:

- a. TRUNCATE TABLE EMPLOYEE;
- b. DROP TABLE EMPLOYEE; ✓
- c. DELETE TABLE EMPLOYEE;
- d. REMOVE TABLE EMPLOYEE;

The correct answer is: DROP TABLE EMPLOYEE;

Question 11

Correct

Mark 1 out of 1

Consider the table employee(empname,salary) with some records. Identify a correct SQL statement to retrieve unique combination of empname and salary. Choose most appropriate option.

Select one:

- a. select distinct empname,distinct salary from employee;
- b. select distinct empname,salary from employee; ✓
- c. select empname,salary from employee;
- d. select empname,distinct salary from employee;

The correct answer is: select distinct empname,salary from employee;



Question 12

Correct

Mark 1 out of 1

Which of the following statement(s) is/are TRUE?

- (i) In a subquery, the inner query is responsible for giving result.
- (ii) In a subquery, the outer query is responsible to display output.

Choose most appropriate option

Select one:

- a. Only (ii)
- b. Only (i)
- c. Both (i) and (ii) ✓
- d. Neither (i) nor (ii)

The correct answer is: Both (i) and (ii)

Question 13

Correct

Mark 1 out of 1

Assume that table Asset(assetId number(2)) is created and 2 records are already inserted and saved.

```
COMMIT;  
DELETE FROM ASSET;  
ROLLBACK;  
INSERT INTO ASSET VALUES(5);  
COMMIT;
```

What would be the output of the below SQL statement after executing the above statements sequentially.

```
SELECT COUNT(*) FROM Asset;
```

Select one:

- a. 3 ✓
- b. 0
- c. 2
- d. 1

Your answer is correct.

The correct answer is: 3

Question 14

Correct

Mark 1 out of 1

Consider the tables given below.

Customer(customerId,(customerName)

Book(bookId, bookName)

Purchase(purchaseId, bookId, customerId)

bookId and customerId in purchase table are foreign keys referring to Book and Customer tables respectively.

Which is the CORRECT SQL statement to retrieve customer name and book name for all books purchased by customers.

Select one:

- a. SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
ON c.customerId=p.customerId
INNER JOIN book b
ON b.bookid=p.bookid; ✓
- b. SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
INNER JOIN book b
ON b.bookid=p.bookid AND c.customerId=p.customerId;
- c. SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
ON c.customerId=p.customerId
SELF JOIN book b
ON b.bookid=p.bookid;
- d. SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
ON c.customerId=p.customerId;

Your answer is correct.

The correct answer is: SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
ON c.customerId=p.customerId
INNER JOIN book b
ON b.bookid=p.bookid;

Question 15

Correct

Mark 1 out of 1

Consider Project table given below.

PROJECTID EMPLOYEEID

1	10
2	11
1	13

Identify the correct SQL statement to display the projectId which has more than one employee.

Select one:

- a. SELECT DISTINCT projectId FROM project WHERE projectId IN(SELECT projectId FROM project GROUP BY projectId WHERE COUNT(employeeId)>1);
- b. SELECT DISTINCT projectId FROM project WHERE projectId IN(SELECT projectId FROM project GROUP BY projectId HAVING COUNT(employeeId)>1); ✓
- c. SELECT DISTINCT projectId FROM project WHERE projectId IN(SELECT projectId FROM project WHERE COUNT(employeeId)>1);
- d. SELECT DISTINCT projectId FROM project WHERE projectId IN(SELECT projectId FROM project HAVING COUNT(employeeId)>1);

Your answer is correct.

The correct answer is: SELECT DISTINCT projectId FROM project WHERE projectId IN(SELECT projectId FROM project GROUP BY projectId HAVING COUNT(employeeId)>1);

Question 16

Correct

Mark 1 out of 1

Identify the appropriate relationship between the classes House and Room. Assume that getter and setter methods for all instance variables are implemented

```
class Room
{
    private int length;
    private float width;
}
class House
{
    private float area;
    private Room room;
    public House()
    {
        room=new Room();
    }
}
```

Choose the most appropriate option

Select one:

- a. Composition ✓
- b. No relationship exists between class House and class Room
- c. Aggregation
- d. Specialization

The correct answer is: Composition

Question 17

Correct

Mark 1 out of 1

If Employee class is created inside com.test package, what could be the first line in class? Choose most appropriate option.

Select one:

- a. package com.test ✓
- b. class Employee{}
- c. packages com.test
- d. package com.test.Employee

The correct answer is: package com.test

Question 18

Correct

Mark 1 out of 1

Consider the Java code given below. How many times "1" will be printed when the code is executed?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int i = -1;
        while( ++i <= 1)
        {
            System.out.println("1");
            i++;
        }
    }
}
```

Choose the most appropriate option.

Select one:

- a. 3 times
- b. 1 time ✓
- c. Nothing will be printed.
- d. 2 times

The correct answer is: 1 time

Question 19

Correct

Mark 1 out of 1

Consider the Java code given below. How many times "Accenture" will be printed when the code is executed?

```
public class Tester
{
    public static void main(String[] args)
    {
        for(int i=0; i < 5; i++)
        {
            System.out.println("Accenture");
            i++;
        }
    }
}
```

Choose the most appropriate option.

Select one:

- a. 4 times
- b. 2 times
- c. 3 times ✓
- d. 1 time

The correct answer is: 3 times

Question 20

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        String s1 = "One";
        String s2 = "One";
        System.out.println((s1==s2) + " " + s1.equals(s2));
    }
}
```

Choose the most appropriate option.

Select one:

- a. true false
- b. true true ✓
- c. false false
- d. false true

The correct answer is: true true

Question 21

Correct

Mark 1 out of 1

which of the following represents correct order from the most to least restrictive? Choose most appropriate option.

Select one:

- a. private,protected,default,public
- b. public,protected,default,private
- c. private,default,protected,public ✓
- d. protected,private,default,public

The correct answer is: private,default,protected,public

Question 22

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
class Vehicle
{
    public Vehicle()
    {
        System.out.print("Default ");
    }
}
class Car extends Vehicle
{
    public Car(String carName)
    {
        System.out.print(carName + "");
    }
}
public class InheritanceTester
{
    public static void main(String[] args)
    {
        Car car=new Car("Ford");
    }
}
```

Choose the most appropriate option.

Select one:

- a. Ford Default
- b. Default Ford ✓
- c. Compilation error: Parent class 'Vehicle' does not have parameterized constructor
- d. Ford

The correct answer is: Default Ford

Question 23

Incorrect

Mark 0 out of 1

Observe the below code,

```
public class MyClass
{
    public int display(int num1,float num2)
    {
        return 0;
    }
    public double display(String name, int salary)
    {
        return 0.0;
    }
//Line 1
}
```

Which of the below function can be inserted at line 1 so that the code compiles successfully.

Select one:

- a. public float display(int num1,float num2){ return 0.0f; } ✗
- b. public String display(String name, int salary{ return success; }
- c. public void display(int num1,String num2){ }
- d. public double display(String empName, int empld){ return 0.0; }

The correct answer is: public void display(int num1,String num2){ }

Question 24

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class Employee
{
    private static int employeeCount;
    public Employee()
    {
        employeeCount++;
        //Line-1
    }
    public static int getEmployeeCount()
    {
        return Employee.employeeCount;
    }
}
public class StaticTester
{
    public static void main(String[] args)
    {
        Employee emp1 = new Employee();
        Employee emp2 = new Employee();
        Employee emp3 = new Employee();
        System.out.println(Employee.getEmployeeCount());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 0
- b. 3 ✓
- c. 1
- d. Compilation error at Line-1: Cannot use static member 'employeeCount' in a non-static context

The correct answer is: 3

Question 25

Incorrect

Mark 0 out of 1

Predict the line of code

```
Abstract class Base1
{
    protected void getDetails()
    {
        System.out.println("Base method");
    }
    public Abstract void demomethod();
}
Abstract class Base2 extends Base1
{
    public Abstract void samplmethod();
}
class Derived extends Base2
{
    //Line1
}
```

Select one:

- a. only "samplmethod" need to overrided in Dervied class
- b. Error: abstract class can't extends other abstract class ✗
- c. none of the option
- d. Derived class need to override both "samplmethod" and "demomethod"

The correct answer is: Derived class need to override both "samplmethod" and "demomethod"

Question 26

Correct

Mark 1 out of 1

What is the output expected for the below code ?

```
public class ConstructorTest
{
    private ConstructorTest(int w) // line 2
    {
        System.out.println(w);
    }
    public static ConstructorTest() // line 6
    {
        System.out.println(10);
    }
    public static void main(String args[])
    {
        ConstructorTest obj = new ConstructorTest(50);
    }
}
```

Choose most appropriate option.

Select one:

- a. 10
- b. 50
- c. Won't compile because of line (6) constructor can't be static ✓
- d. 10 50

The correct answer is: Won't compile because of line (6) constructor can't be static

Question 27

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
public static void main(String[] args)
{
    int i=1, j=1;
    while(i <= 3)
    {
        j=1;
        do
        {
            System.out.println("Java");
            i++;
            j++;
        }while(j <= 2);
    }
}
```

Choose the most appropriate option.

Select one:

- a. "Java" will be displayed 2 times
- b. "Java" will be displayed 3 times ✗
- c. "Java" will be displayed 4 times
- d. "Java" will be displayed 6 times

The correct answer is: "Java" will be displayed 4 times

Question 28

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int[] array = {11,22,33,44,55,11};
        int searchNumber = 11, position=999;
        for(int index=0; index < array.length; index++)
        {
            if(searchNumber == array[index])
            {
                position = index;
            }
        } System.out.println(position);
    }
}
```

Choose the most appropriate option.

Select one:

- a. 5 ✓
- b. 1
- c. 0
- d. 6

The correct answer is: 5

Question 29

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class IfTester
{
    public static void main(String[] args)
    {
        int number1 = 10, number2;
        if(number1 == 10)
        {
            number2 = 20;
        }
        if (number1 != 10)
        {
            number2 = 30;
        }
        System.out.println("Number2 :" + number2);
    }
}
```

Choose the most appropriate option.

Select one:

- a. Number2:20 ✗
- b. Number2:30
- c. Compilation Error: The local variable number2 may not have been initialized
- d. Number2:0

The correct answer is: Compilation Error: The local variable number2 may not have been initialized



Question 30

Correct

Mark 1 out of 1

Analyse the following pseudo code and identify the CORRECT output.

Note: Assume that the input given for Basic is 12000 and Allowances is 3000

1. input Basic, Allowances
2. Gross_Salary= Basic + Allowances
3. if (Gross_Salary > 10000) then
4. Tax = 0.1 * Gross_Salary
5. Net_Salary = Gross_Salary - Tax
6. else
7. Net_Salary = Gross_Salary
8. end-if
9. display Net_Salary

Choose the most appropriate option.

Select one:

- a. 15000
- b. 14985
- c. 13500 ✓
- d. 14000

The correct answer is: 13500

Question 31

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class MyClass
{
    public static void main (String[] args)
    {
        int value1=33;
        int value2=--value1;
        int value3=value1++;
        System.out.println(value1+" "+value2+" "+value3);
    }
}
```

Choose the most appropriate option.

Select one:

- a. 32 32 32
- b. 33 32 32
- c. 32 32 33 ✗
- d. 32 33 32

The correct answer is: 33 32 32

Question 32

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class MyClass
{
    private static int data;
    static
    {
        MyClass.data = 999;
    }
    public static int getData()
    {
        return data;
    }
    public static void setData(int data)
    {
        MyClass.data = data;
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        MyClass ref1 = new MyClass();
        MyClass ref2 = new MyClass();
        System.out.print(ref1.getData());
        ref2.setData(111);
        System.out.println(" " + ref1.getData());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 999 999
- b. 0 111
- c. 999 111 ✓
- d. 111 111

The correct answer is: 999 111

Question 33

Incorrect

Mark 0 out of 1

What is the output of the following code?

```
class Account
{
    int balance;
    public void createAccount()
    {
        balance = 1000;
    }
    public int getMinimumBalance()
    {
        return balance;
    }
}
class SalaryAccount extends Account
{
    private String companyName;
    public SalaryAccount(String companyName)
    {
        this.companyName = companyName;
    }
    public void createAccount()
    {
        balance = 500;
    }
    public void checkCompany()
    {
        if (companyName.equalsIgnoreCase("Accenture"))
        {
            balance = 0;
        }
    }
}
public class MainClass
{
    public static void main(String[] args)
    {
        Account account = new SalaryAccount("Accenture");
        account.createAccount();
        System.out.println("Balance : " + account.getMinimumBalance());
        account.checkCompany();
        System.out.println("Balance : " + account.getMinimumBalance());
    }
}
```

Choose the most appropriate option.

Select one:

- a. Balance: 1000 Balance: 0
- b. Balance: 500 Balance: 0 ✘
- c. Compilation Error: The method checkCompany() is undefined for the type Account
- d. Balance: 1000 Balance: 500

The correct answer is: Compilation Error: The method checkCompany() is undefined for the type Account

Question 34

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
class Base
{
    protected void getDetails()
    {
        System.out.println("Base method");
    }
}
class Derived extends Base
{
    private void getDetails()
    {
        System.out.println("Derived method");
    }
}
public class Main
{

    public static void main(String[] args)
    {
        Base obj=new Derived();
        obj.getDetails();

    }
}
```

Select one:

- a. prints both "Base method" "Derived method"
- b. compilation error :weaker access privileges ✓
- c. Prints "Dervied method"
- d. Prints "Base method"

The correct answer is: compilation error :weaker access privileges

Question 35

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int[] array = {-9,-11-8,-100,-78};
        int minimum = 0;
        for(int index=0; index < array.length; index++)
        {
            if(minimum < array[index])
            { minimum = array[index];
            }
        }
        System.out.println(minimum);
    }
}
```

Choose the most appropriate option.

Select one:

- a. -100
- b. null
- c. -8
- d. 0 ✓

The correct answer is: 0

Question 36

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
Employee.java public class Employee
{
    private double salary;
    public Employee()
    {
        this.salary = 10000.0;
    }
    public static void updateSalary(Employee emp)
    {
        emp.salary = emp.salary + 10000.0;
        //Line-1
    }
    public double getSalary()
    {
        return this.salary;
    }
}
ApplicationTester .java public class ApplicationTester
{
    public static void main(String[] args)
    {
        Employee emp1 = new Employee();
        Employee emp2 = new Employee();
        Employee.updateSalary(emp1);
        System.out.println(emp1.getSalary() + " " + emp2.getSalary());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 20000.0 10000.0
- b. 0.0 10000.0
- c. 10000.0 10000.0
- d. Compilation error at Line-1: Cannot 'emp.salary' in a static context ✘

The correct answer is: 20000.0 10000.0

Question 37

Correct

Mark 1 out of 1

Refer the incomplete code given below.

```
<style>
#firstname {
    background-color: yellow;
    color:red;
}
</style>

<input type=text <strong>_Blank1__</strong>='firstname'>
```

Choose the **CORRECT** attribute which if replaces '_Blank1_' will apply the CSS to text box.

Choose most appropriate option.

Select one:

- a. style
- b. styleclass
- c. class
- d. id ✓

Your answer is correct.

The correct answer is: id



Question 38

Correct

Mark 1 out of 1

Which of the following attribute is used by a HTML tag to apply inline style? Choose most appropriate option.

Select one:

- a. id
- b. class
- c. styleclass
- d. style ✓

Your answer is correct.

The correct answer is: style

Question 39

Correct

Mark 1 out of 1

Which of the following CSS code is the correct one to apply style to tag 'p'? Choose most appropriate option.

Select one:

- a. p { color=red; text-align=center; }
- b. p { color:red, text-align:center; }
- c. p { color:red; text-align:center; } ✓
- d. p (color:red; text-align:center;)

Your answer is correct.

The correct answer is: p { color:red; text-align:center; }

Question 40

Correct

Mark 1 out of 1

Johana wants to display "Welcome to JS!!" as a pop up message using JavaScript. Which of the following suits her requirement?

Select one:

- a. alertBox("Welcome to JS!!");
- b. alert("Welcome to JS!!"); ✓
- c. alert(Welcome to JS!!);
- d. alertmsg("Welcome to JS!!");

The correct answer is: alert("Welcome to JS!!");

Question 41

Correct

Mark 1 out of 1

Identify the CORRECT statements with respect to CSS.

- a) CSS is used for giving style for HTML content
 - b) External style sheet can be used only for one HTML page in a website
- Choose most appropriate option.

Select one:

- a. only a ✓
- b. neither a nor b
- c. only b
- d. both a and b

The correct answer is: only a



Question 42

Correct

Mark 1 out of 1

Which method is used to remove focus from the specified object? Choose most appropriate option.

Select one:

- a. onclick()
- b. onblur() ✓
- c. onfocus()
- d. onsubmit()

The correct answer is: onblur()

Question 43

Correct

Mark 1 out of 1

What would be the color of the text "Bengaluru" and "India" while executing the below html and css code? Assume that "Black" is the default color if there is no style applied.

```
<html>
<head>
<style>
  p{ color:red; } .c1{ color:green; }
</style>
</head>
<body>
<p> Bengaluru </p> <p class="c1"> India </p>
</body>
</html>
```

Choose most appropriate option.

Select one:

- a. Bengaluru - Red,India - Red
- b. Bengaluru - Red,India - Black
- c. Bengaluru - Red,India - Green ✓
- d. Bengaluru - Black,India - Black

The correct answer is: Bengaluru - Red,India - Green

Question 44

Correct

Mark 1 out of 1

Which of the following is correct syntax to refer an external java script file called "formValidation.js"? Choose most appropriate option.

Select one:

- a. <script src = "formValidation.js"></script> ✓
- b. <script source = "formValidation.js"></script>
- c. <script name = "formValidation.js"></script>
- d. <script href = "formValidation.js"></script>

The correct answer is: <script src = "formValidation.js"></script>



Question 45

Correct

Mark 1 out of 1

What would be the output of the following Java Script?

```
<html>
<body>
<script>
var key1=1; document.write(typeof(key1) + " ");
var key2=null; document.write(typeof(key2));
</script>
</body>
</html>
```

Choose most appropriate option.

Select one:

- a. int undefined
- b. number object ✓
- c. int object
- d. number undefined

The correct answer is: number object

Question 46

Correct

Mark 1 out of 1

In HTML, Which of the following is used to merge columns in a table? Choose most appropriate option.

Select one:

- a. columns-span
- b. colspan ✓
- c. columnspan
- d. cspan

The correct answer is: colspan

Question 47

Correct

Mark 1 out of 1

Which of the following statements is TRUE for CSS?

- A. An external style sheet is ideal when the style is applied to many pages
- B. An inline style created for a html tag can be reused for other tags in same page.

Choose most appropriate option.

Select one:

- a. Neither A nor B
- b. Both A and B
- c. Only B
- d. Only A ✓

The correct answer is: Only A



Question 48

Incorrect

Mark 0 out of 1

What would be the output of the Javascript code given below?

```
<html>
<body>
<script>
var num1=100;
function test(){
    num2=200;
    var num1=300;
    num1=num2;
}
test();
document.write(num1 + "-" + num2);
</script>
</body>
</html>
```

Select one:

- a. 200-200 
- b. 300-100
- c. 300-200
- d. 100-200

Your answer is incorrect.

The correct answer is: 100-200

Question 49

Correct

Mark 1 out of 1

Consider the HTML code given below.

```
<html>
  <head>
    <script>
      var key=10;
      function add(){
        var key=20;
        window.key=key+1;
        document.write(key);
        document.write(" ");
        print();
      }
      function print(){
        document.write(key);
      }
    </script>
  </head>
  <body>
    <form>
      <input type="submit" onclick="add()" />
    </form>
  </body>
</html>
```

What will be displayed after executing the above code?

Choose the most appropriate option.

Select one:

- a. 21 21
- b. 11 11
- c. 11 10
- d. 20 21 ✓

Your answer is correct.

The correct answer is: 20 21



Question 50

Correct

Mark 1 out of 1

How many cells will be created after executing the below HTML code?

```
<html>
<body>
<table border="1">
<tr> <td colspan="3"> Jack </td> </tr>
<tr> <td colspan="2"> Tom </td> <td> Mark </td> </tr>
<tr> <td rowspan="2"> John</td> <td> James</td> <td> Mary</td> </tr>
<tr> <td> Helen</td> <td> Sam </td> </tr>
</table>
</body>
</html>
```

Select one:

- a. 9
- b. 7
- c. 8 ✓
- d. 10

Your answer is correct.

The correct answer is: 8

Olympians Mock 3 MCQ / MCQ / Quiz

Started on Tuesday, 18 February 2020, 3:24 PM

State Finished

Completed on Tuesday, 18 February 2020, 4:28 PM

Time taken 1 hour 3 mins

Grade 37.00 out of 50.00 (74%)

Question 1

Correct

Mark 1.00 out of
1.00



What is the term used to define the values that are common across all instances of a class ?

Select one:

- a. Attribute
- b. Property
- c. Static
- ✓ d. Interface

The correct answer is: Static

QUESTION

Mark 0.00 out of
1.00

Select the true statement ?

Select one:

- a. Aggregation forms the is-a type of relationship between classes.
- b. Aggregation forms a is-a part of relationship between classes. Composition is the stronger form of Aggregation.
- c. Aggregation is the stronger form of Inheritance.
- d. Inheritance forms a is-a part of relationship between classes.

✗

The correct answer is: Aggregation forms a is-a part of relationship between classes. Composition is the stronger form of Aggregation.



QUESTION

Mark 0.00 out of
1.00

What defines the state of an object ?

Select one:

- a. Using the class Id
- b. Using the class identity
- c. Using the behavior
- d. Using the value of the class properties

The correct answer is: Using the value of the class properties



Correct

Mark 1.00 out of
1.00

Select the diagram used to depict the building blocks and the static structure of the system ?

Select one:

- a. Sequence Diagram
- b. Interaction Diagram
- c. Class Diagram
- d. Component Diagram

The correct answer is: Class Diagram

Correct

Mark 1.00 out of
1.00

Select the principle that best describes the given scenario. An air-condition can be operated using the button or remote control.

Select one:

- a. Hierarchy
- b. Encapsulation
- c. Abstraction
- d. Polymorphism

The correct answer is: Encapsulation

Correct

Mark 1.00 out of
1.00

Select the principle that best describes the given scenario. The wind is called a breeze if it is gentle. The wind is called a storm if it is harsh.

Select one:

- a. Aggregation
- b. Abstraction
- c. Typing
- d. Polymorphism



The correct answer is: Polymorphism



Correct

Mark 1.00 out of
1.00

_____ is not the exact code for solving the problem but it would give us an idea of how the problem is going to be solved.

Select one:

- a. Programming code
- b. Structure code
- c. object code
- d. Pseudocode



Your answer is correct.

The correct answer is: Pseudocode



Correct

Mark 1.00 out of
1.00

Enhancements made to the developed software is called as

.....
Select one:

- a. Testing
- b. Analysis
- c. Maintenance
- d. Design

The correct answer is: Maintenance

Correct

Mark 1.00 out of
1.00

State true or false.

Configuration management is important only during the coding phase

Select one:

- True
- False ✓

The correct answer is 'False'.



Correct

Mark 1.00 out of
1.00

After the development of online website for global pharmacy , it was found that there were interface errors in few of the modules. In which level of testing these errors would be identified.

Select one:

a. Integration Testing



b. System Testing

c. Acceptance Testing

d. Unit Testing

The correct answer is: Integration Testing



Correct

Mark 1.00 out of
1.00

A Software needs to be developed for a Sterlin Hospital to monitor the radiations given for cancer patients. Even a very minute deviation would result in the risk of the life of the patient. Which would be the appropriate life cycle model used to implement the given scenario

Select one:

- a. Prototyping
- b. Spiral
-  c. Agile
- d. Water fall

The correct answer is: Spiral

QUESTION

Mark 0.00 out of
1.00

ERD Example: Consider the given scenario. ZEE public school Library. A Library has many books. Each Book has many chapters. Identify the cardinality between Chapter and Book

Select one:

a. m..m

b. 0..0

c. m..1

d. 0..m

✗

The correct answer is: m..1



Correct

Mark 1.00 out of
1.00

Pipes are Used to combine two or more commands. The symbol used for representing pipe is -----

Select one:

a. ;;

b. |



c. >>

d. ||

The correct answer is: |



Correct

Mark 1.00 out of
1.00

Which of the following is not a feature of UNIX?

Select one:

a. User friendly



b. Multiuser

c. Multitasking

d. Portability

The correct answer is: User friendly



Correct

Mark 1.00 out of
1.00

Consider the sample.txt file and predict the output

Unix is an operating system.

Unix is open source.

Linux is also a powerful OS.

What is the output of grep -c "Unix" sample.txt command?

Select one:

a. 4

b. 2



c. 3

d. 0

The correct answer is: 2



 CORRECT

Mark 1.00 out of
1.00

Every entry in the UNIX directory file has the following component(s).

Select one:

a. Filename and Inode number



b. Filename

c. File Size

d. Inode number

The correct answer is: Filename and Inode number



~~incorrect~~

Mark 0.00 out of
1.00

which of the following option can be used ,in order to quit vi editor without saving the work done ?

Select one:

- a. :c
- b. :q!
- c. :w
- d. :q

The correct answer is: :q!



CORRECT

Mark 1.00 out of
1.00

Which of the following should be used to print lines containing 'manager' in emp.lst?

Select one:

- a. awk '/manager { print }' emp.lst
- b. awk 'manager { print }' emp.lst
- c. awk '/manager/ { print }' emp.lst
- d. awk '/manager/ { print }' emp.lst



The correct answer is: awk '/manager/ { print }' emp.lst



Correct

Mark 1.00 out of
1.00

Comment in XML document is given by

Select one:

a. <!-- --!>

b. </-- -->

c. <!-- -->



d. <?-- -->

The correct answer is: <!-- -->



QUESTION

Mark 0.00 out of
1.00

Which of the following fragments of XML are well-formed

Select one:

- a. <?xml version="1.0"?>
- b. <?xml encoding="JIS" version="File1"?>
✗
- c. <?xml encoding="Master"?>
- d. <?xml?>

The correct answer is: <?xml version="1.0"?>



QUESTION

Mark 0.00 out of
1.00

Which of the following xml prolog is according to syntax of XML

Select one:

- a. <?xml version="1.0" encoding="UTF-8">
- b. <?xml version="1.0" version="UTF-8"?>
✖
- c. <?xml version="1.0" encoding="UTF-8"?>
- d. <?xml version="1.0" encoding="UTF-18"?>

The correct answer is: <?xml version="1.0" encoding="UTF-8"?>



QUESTION

Mark 0.00 out of
1.00

Find out the well-formed xml file

Select one:

a. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</Price>
 </book>

✗

b. <book category=Web>
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>

c. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>

d. <book category="Web">
 <bname>XML Tutorials</BNAME>
 <pages>100</pages>
 <price>\$300.00<price>
 <book>

The correct answer is: <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>

<

Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
class StringSample
{
    public StringSample(String string)
    {
        System.out.println("The string is " + string);
    }
}
public class ConstructorTester1
{
    public static void main(String[] args)
    {
        StringSample stringSample = new StringSample();
        StringSample stringSample1 = new StringSample("Test
String");
    }
}
```



Choose the most appropriate option.

Select one:

- a. The string is Test String
- b. The string is null
- c. The string is null The string is Test String
- d. Compilation Error: The constructor StringSample() is undefined



The correct answer is: Compilation Error: The constructor StringSample() is undefined

QUESTION

Mark 0.00 out of
1.00

Consider the Java code given below. How many times "1" will be printed when the code is executed?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int i = -1;
        while( ++i <= 1)
        {
            System.out.println("1");
            i++;
        }
    }
}
```

Choose the most appropriate option.



Select one:

a. 2 times

b. 1 time

c. Nothing will be printed.

d. 3 times

The correct answer is: 1 time

Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int i=10;
        while(++i<15)
        {
            System.out.print(i + " ");
        }
    }
}
```

Choose the most appropriate option.

Select one:

- a. 10 11 12 13 14
- b. 11 12 13 14
-  c. 14
- d. 15

The correct answer is: 11 12 13 14

Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class StringTester
{
    public static void main(String[] args)
    {
        String s1=new String("Accenture");
        String s2=new String("India Limited");
        s1.concat(s2);
        System.out.println(s1);
    }
}
```

Choose the most appropriate option.

Select one:

a. Accenture



b. Accenture India

c. India Limited

d. Accenture India Limited

The correct answer is: Accenture

Correct

Mark 1.00 out of
1.00

Which of the following statement/statements is/are FALSE?

- (i) 'package' statement can appear anywhere in the Java code
- (ii) In a Java code, one can write only one 'import' statement

Choose the most appropriate option.

Select one:

- a. Only (i) is FALSE
- b. Both (i) and (ii) are FALSE
- 
- c. Only (ii) is FALSE
- d. Both (i) and (ii) are TRUE

The correct answer is: Both (i) and (ii) are FALSE

Correct

Mark 1.00 out of
1.00

Given the following code, which option, if used to replace //INSERT CODE HERE, will correctly calculate the sum of all the even numbers in the array num and store it in the variable sum?

```
public class Test
{
    public static void main(String[] args)
    {
        int num[] = {10, 15, 2, 17};
        int sum = 0;
        for (int i=0; i<num.length;i++)
        {
            //INSERT CODE HERE
            sum=sum+num[i];
        }
    }
}
```

Select one:

- a. if (number % 2 != 0) continue;



- b. if (number % 2 == 0) break;

- c. if (number % 2 != 0) break;

- d. if (number % 2 == 0) continue;

Question 29**Correct**Mark 1.00 out of
1.00**What will be the output of the following Java code?**

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        for(int i=0; i<=10; i++)
        {
            if(i>6)
                break;
        }
        System.out.println(i); //Line-1
    }
}
```

Choose most appropriate option.**Select one:**

- a. Compilation error at Line-1: i cannot be resolved to a variable
- b. 5
- c. 6
- d. null

The correct answer is: Compilation error at Line-1: i cannot be resolved to a variable

QUESTION

Mark 0.00 out of
1.00

What will be the output of the following Java code?

```
Employee.java public class Employee
{
    private double salary;
    public Employee()
    {
        this.salary = 10000.0;
    }
    public static void updateSalary(Employee emp)
    {
        emp.salary = emp.salary + 10000.0;
        //Line-1
    }
    public double getSalary()
    {
        return this.salary;
    }
}
ApplicationTester .java public class ApplicationTester
{
    public static void main(String[] args)
    {
        Employee emp1 = new Employee();
        Employee emp2 = new Employee();
        Employee.updateSalary(emp1);
        System.out.println(emp1.getSalary() + " " +
emp2.getSalary());
    }
}
```



Choose the most appropriate option.

Select one:



a. 0.0 10000.0



b. Compilation error at Line-1: Cannot 'emp.salary' in a static context

d. 10000.0 10000.0

The correct answer is: 20000.0 10000.0



QUESTION

Mark 0.00 out of
1.00

What will be the output of the following Java code?

```
class Base
{
    protected void getDetails()
    {
        System.out.println("Base method");
    }
}
class Derived extends Base
{
    private void getDetails()
    {
        System.out.println("Derived method");
    }
}
public class Main
{

    public static void main(String[] args)
    {
        Base obj=new Derived();
        obj.getDetails();

    }
}
```



Select one:

- a. Prints "Base method"
- b. compilation error :weaker access privileges
- c. prints both "Base method" "Derived method"
- d. Prints "Dervied method"



Question 32**Correct**

Mark 1.00 out of
1.00

Which is the CORRECT SQL statement to add the new column "DateOfJoining" to an existing table "Employee"? Choose most appropriate option.

Select one:

- a. ALTER TABLE Employee UPDATE DateOfJoining DATE;
- b. ALTER TABLE Employee MODIFY DateOfJoining DATE;
- c. ALTER TABLE Employee ADD DateOfJoining DATE;
- d. CREATE TABLE Employee ADD DateOfJoining DATE;

The correct answer is: ALTER TABLE Employee ADD DateOfJoining DATE;

QUESTION

Mark 0.00 out of
1.00

Consider the following tables:

Vendor (VendorId, VendorName, PhoneNumber).

Here VendorId is the primary key.

Item (ItemCode, UnitPrice, QuantityOnHand, VendorId)

Here ItemCode is the primary key and VendorId is the foreign key referencing the VendorId in Vendor Table.

Which is the CORRECT SQL query to display ItemCode, UnitPrice, VendorName for all Items. It should also display the details of the Item which is not having any vendor?

Choose most appropriate option

Select one:

- a. SELECT Item.ItemCode, Item.UnitPrice, Vendor.VendorName
FROM Item INNER JOIN Vendor ON Item.VendorId =
Vendor.VendorId;
- b. SELECT Item.ItemCode, Item.UnitPrice, Vendor.VendorName
FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId =
Vendor.VendorId;
- c. SELECT Item.ItemCode, Item.UnitPrice, Vendor.VendorName
FROM Item, Vendor WHERE Item.VendorId = Vendor.VendorId;
- d. SELECT Item.ItemCode, Item.UnitPrice, Vendor.VendorName
FROM Item INNER JOIN Vendor ON Item.VendorId =
Vendor.VendorId AND Item.VendorId IS NULL;

✖

The correct answer is: SELECT
Item.ItemCode, Item.UnitPrice, Vendor.VendorName
FROM Item LEFT
OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId;

Correct

Mark 1.00 out of
1.00

The following statement is True/False?

Is it mandatory for foreign key column to have the same data type of primary key in case of writing the query of join to fetch data from multiple tables.

Select one:

a. True



b. False

The correct answer is: True



Correct

Mark 1.00 out of
1.00

What would be the output of the SQL statement given below?

SELECT SUBSTR("Accenture",3,4) FROM DUAL; Choose most appropriate option.

Select one:

a. cent



b. entu

c. ntur

d. centu

The correct answer is: cent



QUESTION

Mark 0.00 out of
1.00

Consider table Customer(cid NUMBER(4), cname VARCHAR2(10)) is created in the database and has no records. Refer to the below statements.

```
COMMIT;  
INSERT INTO Customer VALUES(101,'John');  
INSERT INTO Customer VALUES(102,'James');  
DELETE FROM Customer WHERE cid=101;  
INSERT INTO Customer VALUES(103,'Mark');  
ROLLBACK;  
COMMIT;
```

How many records will be available in the customer table if the above statements are executed in sequential order. Choose the most appropriate option.

Select one:

- a. 0
- b. 2
- c. 1
- d. 3

✗

Your answer is incorrect.

The correct answer is: 0

Correct

Mark 1.00 out of
1.00

Assume that table Asset(assetId number(2)) is created and 2 records are already inserted and saved.

```
COMMIT;  
DELETE FROM ASSET;  
ROLLBACK;  
INSERT INTO ASSET VALUES(5);  
COMMIT;
```

What would be the output of the below SQL statement after executing the above statements sequentially.

```
SELECT COUNT(*) FROM Asset;
```

Select one:

- a. 0
- b. 2
- c. 1
- d. 3



Your answer is correct.

The correct answer is: 3

Correct

Mark 1.00 out of
1.00

which of the following code creates a list box from which user can select more than one option?

Select one:

- a. <select name='type' multiple>
<option> P </option>
<option> G </option>
<option> S </option>
</select>



- b. <select type=multiValue>
<option> P </option>
<option> G </option>
<option> S </option>
</select>

- c. <select type=multiple>
<option> P </option>
<option> G </option>
<option> S </option>
</select>

- d. <select name='type' multiValue>
<option> P </option>
<option> G </option>
<option> S </option>
</select>

Your answer is correct.

The correct answer is: <select name='type' multiple>
<option> P </option>
<option> G </option>
<option> S </option>
</select>

Correct

Mark 1.00 out of
1.00

Refer to the below code:

```
<script>
function helloMessage(){
    var jsName = //Line1 alert('Hello '+jsName+' !')
}
</script>
<form>
Enter First Name : <input type="text" name="firstName"
id="first"><br>
<input type="button" value="Click Here!">
onclick="helloMessage()"
</form>
```

Which is the CORRECT code to be inserted at "Line1" to make the JavaScript run properly? Choose most appropriate option

Select one:

- a. document.getElementByName('first').value;
- b. document.getElement('first').value;
- c. document.getElementById.first.value;
- d. document.getElementById('first').value;



The correct answer is: document.getElementById('first').value;

Correct

Mark 1.00 out of
1.00

Which of the following attribute is used by a HTML tag to apply inline style? Choose most appropriate option.

Select one:

- a. styleclass
- b. id
- c. style
- d. class

The correct answer is: style

CORRECT

Mark 1.00 out of
1.00

Refer the incomplete code given below.

```
<style> #firstname { background-color: yellow;  
color:red; } </style>  
<input type=text __Blank1__="firstname">
```

Choose from below the CORRECT attribute which if replaces
"__Blank1__" will apply the CSS to text box. Choose most
appropriate option.

Select one:

- a. style
- b. styleclass
- c. id
- d. class

The correct answer is: id

Correct

Mark 1.00 out of
1.00

Refer the incomplete HTML Code given below

```
<table border="2" _____=10>
<!-- Line1-->
<tr> <th>Employee Name</th>
<th>Department</th> </tr>
<tr> <td>Jack</td>
<td>LKM</td> </tr>
<tr> <td>Ace</td><td>Delivery</td> </tr>
</table>
```

Identify the appropriate option to be placed at Line1 so that for each cell, there will be a space between the cell border and its respective content Choose most appropriate option.

Select one:

- a. colspan
- b. cellpadding
-  c. cellspacing
- d. colspace

The correct answer is: cellpadding

Correct

Mark 1.00 out of
1.00

What would be the output of the Javascript code given below?

```
<html>
<body>
<script>
var num1=100;
function test(){
    num2=200;
    var num1=300;
    num1=num2;
}
test();
document.write(num1 +"-"+num2);
</script>
</body>
</html>
```

Select one:

a. 200-200

b. 300-200

c. 100-200



d. 300-100

Your answer is correct.

The correct answer is: 100-200

QUESTION**Correct**

Mark 1.00 out of
1.00

SPOT THE ERROR:

Observe the below algorithm to find the average of three numbers.

Step1: Start

Step2: Get num1, num2, num3

Step3: Add num1, num2, num3 and store it in Sum

Step4: Average=sum%3

Step5: Display Sum and Average

Step6: Stop

Identify the incorrect step(if any)

Select one:

a. Step 4



b. Step 2

c. No error

d. Step 5

Your answer is correct.

The correct answer is: Step 4

~~incorrect~~

Mark 0.00 out of
1.00

The given snippet describes _____-

```
BEGIN
    DECLARE marks[10]
    DECLARE number
    SET number TO 0
    FOR index=0 TO 9
        INPUT array[index]
        END FOR
        number= marks[0]
        FOR index=0 TO 9
            IF marks[index] > number THEN
                number =marks[index]
            END IF
        END FOR
        PRINT number
    END
```



Select one:

- a. Sample Pseudocode to find out the maximum number among 10 numbers.
- b. Sample Pseudocode to search an element among 10 numbers.
- c. Sample Pseudocode to find out the minimum number among 10 numbers.
- d. Sample Pseudocode to sort the given array of 10 numbers

✗

The correct answer is: Sample Pseudocode to find out the maximum number among 10 numbers.

Correct

Mark 1.00 out of
1.00

Carefully read the question and answer accordingly. From the list of input elements one element is taken during each iteration to find its corresponding position. This idea of sorting is said to be _____.

Select one:

- a. Bubble Sort
- b. selection Sort
- c. Merge sort
- d. insertion sort



The correct answer is: insertion sort



Correct

Mark 1.00 out of
1.00

Carefully read the question and answer accordingly. What operation is processed for each element in the list

Select one:

- a. Sorting
- b. Traversal
- c. Merging
- d. Inserting

The correct answer is: Traversal

Correct

Mark 1.00 out of
1.00

An algorithm which executes on constant time period can be denoted as

Select one:

- a. $O(n \log n)$
- b. $O(n)$
- c. $O(1)$
- d. $O(n^2)$

The correct answer is: $O(1)$

Correct

Mark 1.00 out of
1.00

Which algorithm is the best sorting method in-place with no quadratic worst-case scenarios?

Select one:

a. Quick Sort

b. Heap Sort



c. Bubble Sort

d. Selection Sort

The correct answer is: Heap Sort



Correct

Mark 1.00 out of
1.00

What is the time complexity of below function?

```
void cal_fun(int m,int a[])
{
    int i=0,j=0;
    for(;i<m;++)
        while(j<m && a[i] < a[j])
            j++;
}
```

Select one:

a. $O(n \log n)$

b. $O(n^2)$

c. $O(n)$



d. $O(1)$

The correct answer is: $O(n)$

Spartans Mock 1

Question 1

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Choose all the statement(s) that are valid.

Select one or more:

- a. A super class is an incomplete class that requires further specification
- b. Two classes in two different packages can have the same name.
- c. There is only single copy of member function in memory when a class is loaded
- d. Static data member have same copy, each associated with the object of class

Feedback

The correct answers are: Two classes in two different packages can have the same name., There is only single copy of member function in memory when a class is loaded, Static data member have same copy, each associated with the object of class

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Predict the output:

```
class A
{
    public static void main (String[] args) throws java.lang.Exception
    {
        String str="Two";
        switch (str) {
            case "One":
                System.out.print(1);
            case "Two": System.out.print(3);
            case "Three": System.out.print(4);
```

```
        break;  
    }  
  
}
```

Select one:

- a. error
- b. 34
- c. 4
- d. 134

Feedback

The correct answer is: 34

Question 3

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Identify whether the below statement is True or False: The hierarchy of Reader/Writer class is character-oriented and InputStream/OutputStream class is byte-oriented.

Select one:

- True
- False

Feedback

The correct answer is 'True'.

Question 4

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Predict the output:

```
public class Topper
{
    public static void check() {
        this.display();
    }
    public static void display() {
        System.out.println("Welcome to Java");
    }
    public static void main(String args []) {
        check();
    }
}
```

Select one:

- a. Compile time error
- b. Runtime error
- c. An exception is raised stating that the variable this can only be used within an instance
- d. Welcome to Java

Feedback

The correct answer is: Compile time error

Question 5

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Predict the output:

```
public class TestExec {
    public static void main(String args[])
    {
        try
        {
            int avg=0;
            for (int i = -1; i < 3 ;++i)
                avg += (avg / i);
        }
        catch(Exception e)
```

```
{  
    System.out.print("Exception Caught ");  
}  
catch(ArithmeticException e)  
{  
    System.out.print("Arithmetric Exception caught");  
}  
    System.out.print(avg);  
}  
}
```

Select one:

- a. Exception Caught
- b. Compilation Error
- c. 0
- d. Arithmetic Exception caught

Feedback

The correct answer is: Compilation Error

Question 6

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

```
int disp()  
{  
int no1,no2=25,no3=25;  
no1=(no2= = no3);  
System.out.println(no1);  
return 0;  
}
```

What will be output of the above code?

Select one:

- a. FALSE
- b. TRUE
- c. 25
- d. Complie Time error

Feedback

The correct answer is: Complie Time error

Question 7

Incorrect

Mark 0.00 out of 1.00

[Flag question](#)

Question text

Predict the output:

```
class One
{
    void calculate(int a, int b)
    {
        System.out.println("Class One");
    }
}

class Two extends One
{
    @Override
    void calculate(int a, int b)
    {
        System.out.println("Class Two");
    }
}

class Three extends Two
{
    @Override
    void calculate(int a, int b)
    {
        System.out.println("Class Three");
    }
}

public class Test
{
    public static void main(String[] args)
    {
        One one = new Two();

        one.calculate(10, 20);

        Two two = (Two) one;

        two.calculate(50, 100);
    }
}
```

```
        Three three = (Three) two;  
  
        three.calculate(100, 200);  
    }  
}
```

Select one:

- a. Class One
Class Two
java.lang.ClassCastException
- b. Class One
Class Two
Class Three
- c. java.lang.ClassCastException
- d. Class Two
Class Two
java.lang.ClassCastException

Feedback

The correct answer is: Class Two
Class Two
java.lang.ClassCastException

Question 8

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Given the following classes defined in separate files, what will be the effect of compiling and running this class Test? Predict the output:

```
class Shape {  
public void draw() {  
System.out.println("All Shapes");  
}}  
  
class Square extends Shape {  
public void draw() {  
System.out.println("Only Square");  
}}  
  
public class Test
```

```
{  
    public static void main (String args []) {  
        Shape v;  
        Square c;  
        v = new Shape();  
        c = new Square();  
        v.draw();  
        c.draw();  
        v = c;  
        v.draw();  
    }  
}
```

Select one:

- a. All Shapes
Only Square
All Shapes
- b. All Shapes
All Shapes
Only Square
- c. Generates runtime error on the statement v= c;
- d. All Shapes
Only Square
Only Square

Feedback

The correct answer is: All Shapes
Only Square
Only Square

Question 9

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

String str= new String("Hello World");

Which of the following calls are valid?

- (A) str.trim()
- (B) str.replace('o', 'A')
- (C) str.substring(3)
- (D) str.toUpperCase()
- (E) str.setCharAt(1,'A')

(F) str.append("xyz")

Select one:

- a. (C), (D) & (E)
- b. (A), (B) & (C)
- c. (A), (C), (D) & (E)
- d. (D) & (E)
- e. (A), (B), (C) & (D)

Feedback

The correct answer is: (A), (B) & (C)

Question 10

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What is the approach of OO ?

Select one:

- a. bundle data seperated from method
- b. bundle data only for security
- c. bundle data and method
- d. bundle method seperated from data

Feedback

The correct answer is: bundle data and method

Question 11

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Select the true statement ?

Select one:

- a. Aggregation forms the is-a type of relationship between classes.
- b. Aggregation forms a is-a part of relationship between classes. Composition is the stronger form of Aggregation.
- c. Aggregation is the stronger form of Inheritance.
- d. Inheritance forms a is-a part of relationship between classes.

Feedback

The correct answer is: Aggregation forms a is-a part of relationship between classes. Composition is the stronger form of Aggregation.

Question 12

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Select the principle that best describes the given scenario. The airline ticket booking clerk manages the available seats, dates, passenger information, etc while the mechanic maintains information like flight performance, fuel consumption, service intervals, etc

Select one:

- a. Abstraction
- b. Encapsulation
- c. Typing
- d. Polymorphism

Feedback

The correct answer is: Abstraction

Question 13

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Select the true statements about Use Case diagram ?

Select one or more:

- a. Captures attributes and methods
- b. Captures dynamic aspects of the system
- c. Captures users of the system
- d. Depicts the boundary of the system

Feedback

The correct answers are: Depicts the boundary of the system, Captures users of the system, Captures dynamic aspects of the system

Question 14

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Select the benefits of OOP ?

Select one or more:

- a. Testing
- b. Ease of design
- c. code deployment
- d. Resuability

Feedback

The correct answers are: Ease of design, Resuability

Question 15

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Select the diagram used to depict the building blocks and the static structure of the system ?

Select one:

- a. Class Diagram
- b. Interaction Diagram
- c. Component Diagram
- d. Sequence Diagram

Feedback

The correct answer is: Class Diagram

Question 16

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

The properties of good program must have_____

Select one:

- a. Poor Design for change
- b. Modules tightly connected
- c. Component dependence
- d. Fault Prevention and fault tolerance

Feedback

Your answer is incorrect.

The correct answer is:

Fault Prevention and fault tolerance

Question 17

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

A program is said to be_____, if it optimizes the amount of memory and processing time.

Select one:

- a. efficient
- b. modular
- c. robust
- d. documented

Feedback

The correct answer is: efficient

Question 18

Correct

Mark 1.00 out of 1.00

Flag question

Question text

SPOT THE ERROR:

Observe the below algorithm to find the average of three numbers.

Step1: Start

Step2: Get num1, num2, num3

Step3: Add num1, num2, num3 and store it in Sum

Step4: Average=sum%3

Step5: Display Sum and Average

Step6: Stop

Identify the incorrect step(if any)

Select one:

- a.
Step 2
- b.
Step 4
- c. No error
- d.
Step 5

Feedback

Your answer is correct.

The correct answer is:

Step 4

Question 19

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Carefully read the question and answer accordingly. From the list of input elements one element is taken during each iteration to find its corresponding position. This idea of sorting is said to be _____.

Select one:

- a. selection Sort
- b. Merge sort
- c. Bubble Sort
- d. insertion sort

Feedback

The correct answer is: insertion sort

Question 20

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Carefully read the question and answer accordingly. One of the best application of Stack is

Select one:

- a. Radix sort
- b. Recursion
- c. Breadth First Search
- d. Array

Feedback

The correct answer is: Recursion

Question 21

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What is the time complexity of find_count()?

```
int find_count(int i)
{
    int c=0;
    for(int m=0;m<l;m++)
        for(int n=m;n>0;n--)
            c=c+1;
    return c;
}
```

Select one:

- a. theta(n)
- b. theta(n*logn)
- c. theta(n²)
- d. theta(nlognlogn)

Feedback

The correct answer is: theta(n^2)

Question 22

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Which algorithm is the best sorting method in-place with no quadratic worst-case scenarios?

Select one:

- a. Quick Sort
- b. Bubble Sort
- c. Heap Sort
- d. Selection Sort

Feedback

The correct answer is: Heap Sort

Question 23

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Carefully read the question and answer accordingly. Which of the following options are correct?

Select one or more:

- a. A tree which does not have any node other than root node is called a null tree
- b. A tree with n nodes has exactly n branches or degree.
- c. None of the options.
- d. A tree which does not have any node other than root node has depth of zero.

Feedback

The correct answers are: A tree which does not have any node other than root node is called a null tree, A tree which does not have any node other than root node has depth of zero.

Question 24

Correct

Mark 1.00 out of 1.00

Flag question

Question text

In which of the given SDLC model, unclear requirements are considered?

Select one:

- a. Spiral Model
- b. Waterfall Model
- c. Prototyping Model
- d. Agile Model

Feedback

The correct answer is: Prototyping Model

Question 25

Correct

Mark 1.00 out of 1.00

Flag question

Question text

The SRS document should be

Select one:

- a. Modifiable
- b. Consistent
- c. All the options
- d. Unambiguous

Feedback

The correct answer is: All the options

Question 26

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

FlipFlip Shopping cart expects a huge hit ratio to their website, by its customers ,during the festive reason in a month ahead. Anticipating this requirement they would want to replicate the servers to better serve their customer. What type of maintenance is carried out to implement the given scenario?

Select one:

- a. Adaptive Maintenance
- b. Corrective Maintenance
- c. Perfective Maintenance
- d. Preventive Maintenance

Feedback

The correct answer is: Preventive Maintenance

Question 27

Correct

Mark 1.00 out of 1.00

Flag question

Question text

A website for Flight Booking was developed and given to the testing team for testing. It has various fields to enter the data, out of which one of the input field will take the birth year from the user ranging from 1980 to 2060. The boundary values for testing this field are?

Select one:

- a. 0, 1959, 1960, 1961, 1994, 1995, 1996
- b. 1959, 1960, 1994, 1995
- c. 0,2000,2050,2020,1981
- d. 1979,2030,1980,2060,2061
- e. 1979,1980,2060,2061

Feedback

The correct answer is: 1979,1980,2060,2061

Question 28

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Tom and his team uses the SVN(Configuration Management Tool) to do versioning of source code. Tom has pulled out the code from the SVN server to his local machine, updated his task partially and wanted to update the work back to the SVN server. What is the actual process Tom has performed with the SVN server.

Select one:

- a. check out/check in
- b. commit/rollback
- c. fork/join
- d. check in/check out

Feedback

The correct answer is: check out/check in

Question 29

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Predict the output of the below query .

Create view studentdetails select ID, address, name from student;

Select one:

- a. Creates a view named ID with 2 attributes
- b. Query has syntax error
- c. Creates a view named studentdetails with 3 attributes
- d. Creates a view named studentdetails with 1 attribute

Feedback

The correct answer is: Query has syntax error

Question 30

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Term used to represent a Table, Record and field in relational database are

Select one:

- a. Attribute, Tuple and Relation
- b. Tuple, Relation and Attribute
- c. Relation, Tuple & Attribute
- d. Relation , Attribute & Tuple

Feedback

The correct answer is: Relation, Tuple & Attribute

Question 31

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which clause is used with SELECT command to eliminate redundant or duplicate rows?

Select one:

- a. Different
- b. Distinctive
- c. Unique
- d. Distinct

Feedback

The correct answer is: Distinct

Question 32

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which of the following is not a built in aggregate function in Oracle?

Select one:

- a. Max
- b. Total
- c. Count
- d. Avg

Feedback

The correct answer is: Total

Question 33

Correct

Mark 1.00 out of 1.00

Flag question

Question text

In order to grant 'SELECT' on Employee table to User1, which one of following statement is correct?

Select one:

- a. Grant select to Employee on User1;
- b. Grant select on Employee to User1;
- c. Grant select from Employee to User1;
- d. Grant select to Employee to User1;

Feedback

The correct answer is: Grant select on Employee to User1;

Question 34

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What statements are true with respect to delete and truncate command?

Select one:

- a. Both the commands work in same manner
- b. Both the commands can be reversed
- c. Both the commands cannot be reversed
- d. Delete command can be reversed but truncate cannot be reversed

Feedback

The correct answer is: Delete command can be reversed but truncate cannot be reversed

Question 35

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which of the following should be used to print lines containing 'manager' in emp.lst?

Select one:

- a. awk 'manager { print }' emp.lst
- b. awk '/manager/ { print }' emp.lst
- c. awk '/manager/ { print }' emp.lst
- d. awk '/manager { print }' emp.lst

Feedback

The correct answer is: awk '/manager/ { print }' emp.lst

Question 36

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which command in UNIX displays the list of all the users who have logged into the Unix server?

Select one:

- a. users
- b. List users
- c. Who am i
- d. Who

Feedback

The correct answer is: Who

Question 37

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which of the following is not a feature of UNIX?

Select one:

- a. Portability
- b. User friendly
- c. Multiuser
- d. Multitasking

Feedback

The correct answer is: User friendly

Question 38

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Unix Terminals are called Dummy terminals as they do not have _____ capability.

Select one:

- a. Processing
- b. Output
- c. Input
- d. Display

Feedback

The correct answer is: Processing

Question 39

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which of the following layer acts as an interface between user and kernel ?

Select one:

- a. Hardware
- b. Shell
- c. Kernel
- d. System Calls

Feedback

The correct answer is: Shell

Question 40

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Consider the sample.txt file and predict the output

Unix is an operating system.

Unix is open source.

Linux is also a powerful OS.

What is the output of grep -c "Unix" sample.txt command?

Select one:

- a. 4
- b. 0
- c. 3
- d. 2

Feedback

The correct answer is: 2

Question 41

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

What is the output of the following code?

```
<script type="text/javascript">
    var s = "6718654 or 70101?";
    var pattern = /\d{4}/;
    var output = s.match(pattern);
    document.write(output);
</script>
```

Select one:

- a. 671701
- b. 70101
- c. 6718
- d. 6718654

Feedback

The correct answer is: 6718

Question 42

Correct

Mark 1.00 out of 1.00

[Flag question](#)

Question text

What is used in an HTML page to give instruction to the web browser about the version of HTML being used?

Select one:

- a. HEAD
- b. TITLE
- c. DOCTYPE
- d. DOCUMENT

Feedback

The correct answer is: DOCTYPE

Question 43

Correct

Mark 1.00 out of 1.00

[Flag question](#)

Question text

In CSS, styles are written under _____ tag which is the child of _____ tag

Select one or more:

- a. style
- b. head
- c. script
- d. body

Feedback

The correct answers are: head, style

Question 44

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What are the new form elements introduced in HTML5

Select one or more:

- a. optgroup
- b. output
- c. datalist
- d. button
- e. keygen

Feedback

The correct answers are: output, keygen, datalist

Question 45

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

What does the following selector do ?

`$("div")`

Select one:

- a. Selects all div elements within a <p> tag
- b. selects the first div element inside a <p> tag
- c. Selects all div elements
- d. Selects the first div element

Feedback

The correct answer is: Selects all div elements

Question 46

Correct

Mark 1.00 out of 1.00

[Flag question](#)

Question text

What is the CSS code to remove an underline from all hyperlinks

Select one:

- a. a {text: no-underline;}
- b. a {text-decoration: no-underline;}
- c. a {text-style: no-underline;}
- d. a {text-decoration:none;}

Feedback

The correct answer is: a {text-decoration:none;}

Question 47

Correct

Mark 1.00 out of 1.00

[Flag question](#)

Question text

Identify the well-formed XML code

Select one:

- a. <bookstore>
 <book category="children">
 <title>Harry Potter</title>
 <author>J K. Rowling</author>
 <year>2005</year>
 <price>29.99 </book>
 </bookstore>
- b. <bookstore>
 <book category="children">
 <title>Harry Potter</title>
 <author>J K. Rowling</author>
 <year>2005</year>

- ```
<price>29.99</price>
</bookstore>
```
- c. <bookstore>  
  <book category="children">  
    <title>Harry Potter</title>  
    <author>J K. Rowling</author>  
    <year>2005</year>  
    <price>29.99</price>  
  </book>  
</bookstore>
- d. <bookstore>  
  <book category="children">  
    <title>Harry Potter</title>  
    <author>J K. Rowling</author>  
    <year>2005</year>  
    <price>29.99</price>  
  </book>  
</bookstore>

Feedback

The correct answer is: <bookstore>

```
<book category="children">
<title>Harry Potter</title>
<author>J K. Rowling</author>
<year>2005</year>
<price>29.99</price>
</book>
</bookstore>
```

**Question 48**

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which is the correct way to define an empty book element

Select one:

- a. <book>NULL</book>
- b. <book>
- c. <book>empty</book>
- d. <book></book>

Feedback

The correct answer is: <book></book>

**Question 49**

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Identify the predicate which selects the last Employee element that is the child of the Company element?

Select one:

- a. /Company/Employee[first()-1]
- b. /Company/Employee[last()]
- c. /Company/Employee[first-1]
- d. /Company/Employee[1]

Feedback

The correct answer is: /Company/Employee[last()]

**Question 50**

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which is not true about XML

Select one:

- a. All XML Elements Must Have a Closing Tag
- b. XML must be wellformed
- c. XML Tags are not Case Sensitive
- d. XML Elements Must be Properly Nested

Feedback

The correct answer is: XML Tags are not Case Sensitive

# Spartans Mock 2

Question 1

Correct

Mark 1 out of 1

Flag question

Question text

Consider the table Student(StudentId, StudentName, Email, PercentageOfMarks). Which is the CORRECT query to display the details in the ascending order (lowest to highest) of PercentageOfMarks and in the descending order of StudentId in case PercentageOfMarks is the same. Choose most appropriate option

Select one:

- a. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId DESC;
- b. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY StudentId DESC, PercentageOfMarks;
- c. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId;
- d. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;

Feedback

The correct answer is: SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;

Question 2

Correct

Mark 1 out of 1

Flag question

Question text

The employee tables contains EmployeeId, EmployeeName and DeptCode Columns. Which is the CORRECT SQL query to display the EmployeeId and EmployeeName of employees who are working in DeptCode 10 OR 20?

- (i) SELECT EmployeeId, EmployeeName FROM Employee WHERE DeptCode IN (10,20);
- (ii) SELECT EmployeeId, EmployeeName FROM Employee WHERE DeptCode = 10 OR DeptCode = 20;

Choose most appropriate option.

Select one:

- a. Both (i) and (ii)
- b. Neither (i) nor (ii)
- c. Only (ii)
- d. Only (i)

Feedback

The correct answer is: Both (i) and (ii)

Question 3

Incorrect

Mark 0 out of 1

Flag question

Question text

Which is the CORRECT SQL Query to display names of employees which has only 3 letters that starts with 'A' and ends with 'e'? Choose most appropriate option.

Select one:

- a. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A%e';
- b. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE '\_\_e';
- c. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A\_e';
- d. SELECT EmployeeName FROM Employee WHERE EmployeeName = 'A\_e';

Feedback

The correct answer is: SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A\_e';

Question 4

Correct

Mark 1 out of 1

Flag question

Question text

Which is the CORRECT SQL statement to add the new column "DateOfJoining" to an existing table "Employee"? Choose most appropriate option.

Select one:

- a. ALTER TABLE Employee ADD DateOfJoining DATE;
- b. ALTER TABLE Employee MODIFY DateOfJoining DATE;
- c. ALTER TABLE Employee UPDATE DateOfJoining DATE;
- d. CREATE TABLE Employee ADD DateOfJoining DATE;

Feedback

The correct answer is: ALTER TABLE Employee ADD DateOfJoining DATE;

Question 5

Incorrect

Mark 0 out of 1

Flag question

Question text

Assume that table Employee is created with foreign key column managerid referring to empid column of same table and the following records are inserted.

EMPID	EMPNAME	MANAGERID
1001	James	NULL
1002	Mark	1001
1003	Mary	1002
1004	Mark	1001

How many rows will be deleted after executing the below DML statement? DELETE FROM employee WHERE empid=1001; Choose most appropriate option.

Select one:

- a. 3
- b. Error: Integrated constraint violated. Child record found
- c. 1
- d. 2

Feedback

The correct answer is: Error: Integrated constraint violated. Child record found

Question 6  
Correct  
Mark 1 out of 1

Flag question

Question text

Consider table Students(sid NUMBER(3),sname VARCHAR2(10),scontact NUMBER(10) ) is already created in the database.

It is required to change the data type of the column "scontact" to VARCHAR2(15).

Which of the following is Correct for the above requirement?

Note: sid column is primary key. Choose most appropriate option.

Select one:

- a. There are no criteria to be followed. We can change the datatype of the column irrespective of the data
- b. It is not possible to change the data type of a column
- c. To change the data type of a column, it is important to ensure that the corresponding column is not having data for any of the record
- d. Data type can be changed only for primary key column

Feedback

The correct answer is: To change the data type of a column, it is important to ensure that the corresponding column is not having data for any of the record

Question 7  
Partially correct  
Mark 1 out of 1

Flag question

Question text

Assume that table Project is created using the DDL statement given below and has no records.

```
CREATE TABLE Project(projectId VARCHAR2(4) CONSTRAINT proj_pk PRIMARY KEY,
projectName VARCHAR2(10) DEFAULT 'NA' CONSTRAINT proj_nn NOT NULL);
```

Identify the INSERT statements which would successfully insert record into Project table. Choose two most appropriate options.

Select one or more:

- a. INSERT INTO project(projectName,projectId) VALUES('NA','P4' );
- b. INSERT INTO project(projectId) VALUES('P2');
- c. INSERT INTO project(projectId,projectName) VALUES('P3', Null);
- d. INSERT INTO project VALUES('P1');

Feedback

The correct answers are: INSERT INTO project(projectName,projectId) VALUES('NA','P4' );, INSERT INTO project(projectId) VALUES('P2');

Question 8

Correct

Mark 1 out of 1

Flag question

Question text

Which of the following statement(s) is/are TRUE?

- (i) In a subquery, the inner query is responsible for giving result.
- (ii) In a subquery, the outer query is responsible to display output.

Choose most appropriate option

Select one:

- a. Only (i)
- b. Neither (i) nor (ii)
- c. Only (ii)
- d. Both (i) and (ii)

Feedback

The correct answer is: Both (i) and (ii)

Question 9

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

Consider table Customer(cid NUMBER(4), cname VARCHAR2(10)) has some records. Identify the appropriate ALTER statements (choose 2) which executes on table Customer [ Note: There is no null value for any column]

Select one or more:

- a. ALTER TABLE Customer MODIFY cname VARCHAR2(15);
- b. ALTER TABLE Customer MODIFY cid NUMBER(2);
- c. ALTER TABLE Customer ADD dob DATE DEFAULT '30-Jun-1995';
- d. ALTER TABLE Customer ADD CONSTRAINT cust\_name NOT NULL(cname);

Feedback

The correct answers are: ALTER TABLE Customer ADD dob DATE DEFAULT '30-Jun-1995';, ALTER TABLE Customer MODIFY cname VARCHAR2(15);

**Question 10**

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

Consider the Tables given below:

Product(productId,productName)

ProductOrder(orderId,productId,quantity)

productId column of ProductOrder is a Foreign key referring to Product Table

Identify the appropriate SQL statement which will fetch the productId,productName and orderId for all the Products ordered. If no orders exist for a product, display those product id and productname with value for orderId column as "Yet to be Ordered".

Choose appropriate query for the above requirement.

Select one:

- a. SELECT p1.productId,p1.productName,NVL("Yet to be Ordered",p2.orderId) FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;

- b. SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be Ordered") FROM Product p1 RIGHT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;
- c. SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be Ordered") FROM Product p1 INNER JOIN ProductOrder p2 ON p1.productId=p2.productId;
- d. SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be Ordered") FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;

Feedback

The correct answer is: SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be Ordered") FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;

**Question 11**

Correct

Mark 1 out of 1

Flag question

Question text

Which of the following can be created as a table level constraint?

- (i) primary Key
- (ii) foreign key
- (iii) unique

Choose most appropriate option.

Select one:

- a. (i) and (iii)
- b. (i), (ii) and (iii)
- c. (i) and (ii)
- d. (i) only

Feedback

The correct answer is: (i), (ii) and (iii)

**Question 12**

Correct

Mark 1 out of 1

Flag question

### Question text

Consider table Department(deptId,deptName). Which of the following query is used to display the department details whose deptname has second letter as 'a' and second last letter as 'e'? Choose most appropriate option.

Select one:

- a. SELECT \* FROM department WHERE deptname LIKE "\_a%e\_";
- b. SELECT \* FROM department WHERE deptname LIKE "a%e\_";
- c. SELECT \* FROM department WHERE deptname LIKE "a%e%";
- d. SELECT \* FROM department WHERE deptname LIKE "%a%e\_";

### Feedback

The correct answer is: SELECT \* FROM department WHERE deptname LIKE "\_a%e\_";

### Question 13

Incorrect

Mark 0 out of 1

[Flag question](#)

### Question text

Consider a table with the name Project is created using the SQL statement given below

```
CREATE TABLE Project(
projectid VARCHAR2(10) CONSTRAINT pkey PRIMARY KEY,
projectname VARCHAR2(10) CONSTRAINT pnull NOT NULL,
employeecount NUMBER(2) DEFAULT 0);
```

Which of the following statements insert record successfully to the Project table [Choose 2]

Select one or more:

- a. INSERT INTO project(projectid,employeecount) VALUES('P3',10);
- b. INSERT INTO project(projectid,projectname) VALUES('P2','Finance');
- c. INSERT INTO project VALUES('P1','Finance',20);
- d. INSERT INTO project VALUES('P1','Finance');

### Feedback

Your answer is incorrect.

The correct answers are: INSERT INTO project VALUES('P1','Finance',20);, INSERT INTO project(projectid,projectname) VALUES('P2','Finance');

### Question 14

Incorrect  
Mark 0 out of 1

[Flag question](#)

Question text

Consider the below tables.

Event(eventId,eventName) – eventId is primary key

Employee(empId, empName, eventId) – empId is primary key and eventId is foreign key referring to Event table.

Identify the correct SQL statement to retrieve empid, empname and eventName for all employees. If employee has not registered for an event then it should display 'Not Registered'.

Select one:

- a. SELECT e1.empId, e1.empName, NVL(e2.eventName,'Not Registered') FROM event e2 INNER JOIN employee e1 ON e2.eventId=e1.eventId;
- b. SELECT e1.empId, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 RIGHT OUTER JOIN event e2 ON e1.eventId=e2.eventId;
- c. SELECT e1.empId, e1.empName, NVL(e2.eventName,'Not Registered') FROM event e2 LEFT OUTER JOIN employee e1 ON e2.eventId=e1.eventId;
- d. SELECT e1.empId, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 LEFT OUTER JOIN event e2 ON e1.eventId=e2.eventId;

Feedback

Your answer is incorrect.

The correct answer is: SELECT e1.empId, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 LEFT OUTER JOIN event e2 ON e1.eventId=e2.eventId;

Question 15

Correct

Mark 1 out of 1

[Flag question](#)

Question text

Consider Project table given below.

PROJECTID EMPLOYEEID

----- -----  
1 10

2	11
1	13

Identify the correct SQL statement to display the projectId which has more than one employee.

Select one:

- a. SELECT DISTINCT projectId FROM project WHERE projectId IN( SELECT projectId FROM project GROUP BY projectId WHERE COUNT(employeeId)>1);
- b. SELECT DISTINCT projectId FROM project WHERE projectId IN( SELECT projectId FROM project WHERE COUNT(employeeId)>1);
- c. SELECT DISTINCT projectId FROM project WHERE projectId IN( SELECT projectId FROM project HAVING COUNT(employeeId)>1);
- d. SELECT DISTINCT projectId FROM project WHERE projectId IN( SELECT projectId FROM project GROUP BY projectId HAVING COUNT(employeeId)>1);

Feedback

Your answer is correct.

The correct answer is: SELECT DISTINCT projectId FROM project WHERE projectId IN( SELECT projectId FROM project GROUP BY projectId HAVING COUNT(employeeId)>1);

Question 16

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 String s1 = "One";
 String s2 = "One";
 System.out.println((s1==s2) + " " + s1.equals(s2));
 }
}
```

Choose the most appropriate option.

Select one:

- a. true false
- b. false true
- c. true true

d. false false

Feedback

The correct answer is: true true

Question 17

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i;
 for(i = 1; i <=3; i++)
 {
 System.out.println(i);
 }
 System.out.println(i);
 }
}
```

Choose the most appropriate option.

Select one:

- a. 4 will be displayed twice on the console
- b. 1 to 3 will be displayed on the console
- c. 3 will be displayed twice on the console
- d. 1 to 4 will be displayed on the console

Feedback

The correct answer is: 4 will be displayed twice on the console

Question 18

Correct

Mark 1 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
public class Rectangle
{
 private int length;
 private int width;
 public static void main(String[] args)
 {
 Rectangle rectangle1 = new Rectangle();
 rectangle1.length=10;
 rectangle1.width=5;
 Rectangle rectangle2 = rectangle1;
 System.out.println("Length : "+rectangle2.length);
 System.out.println("Width : "+rectangle2.width);
 }
}
```

Choose the most appropriate option.

Select one:

- a. Length : 10 Width : 5
- b. Length: 5 Width: 10
- c. Length : null Width : null
- d. Length : 0 Width : 0

Feedback

The correct answer is: Length : 10 Width : 5

Question 19

Incorrect

Mark 0 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
public class StringTester
```

```
{
public static void main(String[] args)
{
 String player1 = new String ("virat kohli");
 String player2 = new String("GAYLE");
 player1.toUpperCase();
 String newPlayer=player1.substring(6);
 newPlayer = newPlayer + player2.toLowerCase();
 System.out.println(newPlayer);
}
}
}
```

Choose the most appropriate option.

Select one:

- a. KOHLI gayle
- b. kohligayle
- c. kohliGAYLE
- d. KOHLLgayle

Feedback

The correct answer is: kohligayle

Question 20

Incorrect

Mark 0 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
class Vehicle
{
 public Vehicle()
 {
 System.out.print("Default ");
 }
}
class Car extends Vehicle
{
 public Car(String carName)
 {
 System.out.print(carName + "");
 }
}
public class InheritanceTester
```

```
{
 public static void main(String[] args)
 {
 Car car=new Car("Ford");
 }
}
```

Choose the most appropriate option.

Select one:

- a. Default Ford
- b. Ford Default
- c. Compilation error: Parent class 'Vehicle' does not have parameterized constructor
- d. Ford

Feedback

The correct answer is: Default Ford

Question 21

Correct

Mark 1 out of 1

Flag question

Question text

Consider the Java code given below. How many times ";Hello "; will be printed when the code is executed?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i = 0;
 do
 {
 System.out.println("Hello");
 i++;
 } while(i <= 1);
 }
}
```

Choose the most appropriate option.

Select one:

- a. 1 time
- b. 2 times



c. Nothing will be printed



d. 3 times

Feedback

The correct answer is: 2 times

Question 22

Correct

Mark 1 out of 1

Flag question

Question text

Which of the following statement/s is/are TRUE?

- (1) Abstract method can have body
  - (2) Abstract class cannot be instantiated
  - (3) Abstract class can have constructor
- Choose the most appropriate option.

Select one:



a. Both (2) and (3) are TRUE



b. Only (2) is TRUE



c. Both (1) and (3) are TRUE



d. Both (1) and (2) are TRUE

Feedback

The correct answer is: Both (2) and (3) are TRUE

Question 23

Correct

Mark 1 out of 1

Flag question

Question text

class Test

```
{
static
{
 System.out.println("A");
}
}
}
public class Demo
{
static
{
 System.out.println("B");
}
}
public static void main(String[] args)
{
 Test t=new Test();
}
static
{
 System.out.println("D");
}
}
}
```

Choose the most appropriate option.

Select one:

- a. A B D
- b. B A D
- c. A D B
- d. B D A

Feedback

The correct answer is: B D A

Question 24

Incorrect

Mark 0 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
public class Employee
{
 private static int employeeCount;
 public Employee()
 {
```

```
 employeeCount++;
 //Line-1
 }
 public static int getEmployeeCount()
 {
 return Employee.employeeCount;
 }
}
public class StaticTester
{
 public static void main(String[] args)
 {
 Employee emp1 = new Employee();
 Employee emp2 = new Employee();
 Employee emp3 = new Employee();
 System.out.println(Employee.getEmployeeCount());
 }
}
```

Choose the most appropriate option.

Select one:

- a. 3
- b. Compilation error at Line-1: Cannot use static member 'employeeCount' in a non-static context
- c. 1
- d. 0

Feedback

The correct answer is: 3

Question 25

Incorrect

Mark 0 out of 1

Flag question

Question text

Accenture developed a Java based Application (Vendor Management System) for New Codington city. The product was delivered to New Codington after successful testing on Windows platform. New Codington wants to run the application on their desktop which has Linux platform. What are the MINIMUM resources needed to successfully run the application? Choose the most appropriate option.

Select one:

- a. JDK on Windows
- b. JVM on Linux



c. JDK on Linux



d. JVM on Windows

Feedback

The correct answer is: JVM on Linux

Question 26

Correct

Mark 1 out of 1

[Flag question](#)

Question text

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int[] array = {11,22,33,44,55,11};
 int searchNumber = 11, position=999;
 for(int index=0; index < array.length; index++)
 {
 if(searchNumber == array[index])
 {
 position = index;
 }
 System.out.println(position);
 }
 }
}
```

Choose the most appropriate option.

Select one:



a. 0



b. 1



c. 5



d. 6

Feedback

The correct answer is: 5

Question 27

Correct

Mark 1 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
public class Tester
{
 public static void main(String[] args)
 {
 int array[] ={1,2,4,2,5,2,6};
 int pos=-1; int value=2;
 int itr;
 for (itr = 0; itr < array.length; itr++)
 {
 if(array[itr]!=value)
 {
 continue;
 } pos=itr;
 }
 System.out.println(pos);
 }
}
```

Choose the most appropriate option.

Select one:

- a. -1
- b. 6
- c. 1
- d. 5

Feedback

The correct answer is: 5

Question 28

Correct

Mark 1 out of 1

Flag question

Question text

What is the output of the below code?

```
public class Calculator
{
 public static void main(String[] args)
 {
 int result = 0;
 Calculator calculator = new Calculator();
 calculator.add(10, 20, result);
 System.out.println("Result : " + result);
 }
 public void add(int num1, int num2, int result)
 {
 result = num1 + num2;
 }
}
```

Choose the most appropriate option.

Select one:

- a. Result: 20
- b. Result : null
- c. Result : 30
- d. Result : 0

Feedback

The correct answer is: Result : 0

Question 29

Correct

Mark 1 out of 1

Flag question

Question text

Predict the line of code

```
Abstract class Base1
{
 protected void getDetails()
 {
 System.out.println("Base method");
 }
 public Abstract void demomethod();
}
Abstract class Base2 extends Base1
{
```

```
 public Abstract void samlemethod();
}
class Derived extends Base2
{
 //Line1
}
```

Select one:

- a. only "samlemethod" need to overrided in Dervied class
- b. Derived class need to override both "samlemethod" and "demomethod"
- c. none of the option
- d. Error: abstract class can't extends other abstract class

Feedback

The correct answer is: Derived class need to override both "samlemethod" and "demomethod"

Question 30

Correct

Mark 1 out of 1

Flag question

Question text

Predict the output of the following Java code.

```
public class Customer
{
 public void getCustomer(String customer_name)
 {
 System.out.println("Customer name is : "+customer_name);
 }
 public void getCustomer(int customerId, String customer_location)
 {
 System.out.println("Customer location : "+customer_location+" & Customer Id : "+customerId);
 }
 public void getCustomer(int customerId, float reward_points)
 {
 System.out.println("Customer Id : "+customerId+" & reward points till date is : "+reward_points);
 }
 public static void main(String[] args)
 {
 Customer c = new Customer();
 c.getCustomer("Smith");
 }
}
```

```
 c.getCustomer(1232,560.0f);
 c.getCustomer(1232, "Florida");
 }
}
```

Choose the most appropriate option.

Select one:

- a. Compilation Error. The method getCustomer(int, String) in the type Customer is not applicable for the arguments (int, float)
- b. Customer name is : Smith  
Customer Id : 1232 & reward points till date is :560.0  
Customer location : Florida & Customer Id : 1232
- c. Customer name is : Smith  
Customer location : Florida & Customer Id : NULL  
Customer Id : NULL & reward points till date is :560
- d. Customer name is : Smith  
Customer location : Florida reward points till date is :560  
Customer location : Florida & Customer Id : 1232

Feedback

The correct answer is: Customer name is : Smith  
Customer Id : 1232 & reward points till date is :560.0  
Customer location : Florida & Customer Id : 1232

Question 31

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

What will be the output of the following Java code?

```
public class MyClass
{
 private static int count;
 static
 {
 MyClass.count = 100;
 //Line-1
 int count = 100;
 //Line-2
 }
 public MyClass()
 {
 count++ ;
```

```
 }
 public static int getCount()
 {
 return count;
 }
}
public class StaticTester
{
 public static void main(String[] args)
 {
 MyClass ref1 = new MyClass();
 MyClass ref2 = new MyClass();
 System.out.println(ref1.getCount());
 }
}
```

Choose the most appropriate option.

Select one:

- a. 2
- b. 102
- c. Compilation error at Line-2: Duplicate variable 'count'
- d. Compilation error at Line-1: Invalid variable reference 'MyClass.count'

Feedback

The correct answer is: 102

Question 32

Incorrect

Mark 0 out of 1

Flag question

Question text

Consider the Java code given below. After the execution of the code what will be the content of "array2"?

```
public class Tester
{
 public static void main(String[] args)
 {
 int array1[] = {71,12,23,34};
 int array2[] = new int[4];
 int count = 0;
 for (int i = 0; i < array2.length; i++)
 {
 if(array1[i]%2==0)
 {
```

```
 array2[count]=array1[i];
 count++;
 }
}
}
```

Choose the most appropriate option.

Select one:

- a. 12 0 34 0
- b. 12 34 0 0
- c. 0 0 12 34
- d. 12 34

Feedback

The correct answer is: 12 34 0 0

Question 33

Correct

Mark 1 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
class Base
{
 protected void getDetails()
 {
 System.out.println("Base method");
 }
}
class Derived extends Base
{
 private void getDetails()
 {
 System.out.println("Derived method");
 }
}
public class Main
{

 public static void main(String[] args)
 {
 Base obj=new Derived();
```

```
 obj.getDetails();
 }
}
```

Select one:

- a. prints both "Base method" "Derived method"
- b. compilation error :weaker access privileges
- c. Prints "Dervied method"
- d. Prints "Base method"

Feedback

The correct answer is: compilation error :weaker access privileges

Question 34

Incorrect

Mark 0 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
Employee.java public class Employee
{
 private double salary;
 public Employee()
 {
 this.salary = 10000.0;
 }
 public static void updateSalary(Employee emp)
 {
 emp.salary = emp.salary + 10000.0;
 //Line-1
 }
 public double getSalary()
 {
 return this.salary;
 }
}
ApplicationTester .java public class ApplicationTester
{
 public static void main(String[] args)
 {
 Employee emp1 = new Employee();
```

```
Employee emp2 = new Employee();
Employee.updateSalary(emp1);
System.out.println(emp1.getSalary() + " " + emp2.getSalary());
}
```

Choose the most appropriate option.

Select one:

- a. 10000.0 10000.0
- b. 20000.0 10000.0
- c. 0.0 10000.0
- d. Compilation error at Line-1: Cannot 'emp.salary' in a static context

Feedback

The correct answer is: 20000.0 10000.0

Question 35

Correct

Mark 1 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int[] array = {-9,-11-8,-100,-78};
 int minimum = 0;
 for(int index=0; index < array.length; index++)
 {
 if(minimum < array[index])
 { minimum = array[index];
 }
 }
 System.out.println(minimum);
 }
}
```

Choose the most appropriate option.

Select one:

- a. 0
- b. -8
- c. null
- d. -100

Feedback

The correct answer is: 0

**Question 36**

Correct

Mark 1 out of 1

Flag question

**Question text**

Given the below code. What is output ?

```
class Currency
{
 private String country = "Canada";
 public String getC()
 {
 return country;
 }
}
class JapeneseYen extends Currency
{
public String getC()
{
return super.country; //Line 12
}
}
public class AustralianDollar extends Currency
{
public String getC(int x)
{
return super.getC();
}
public static void main(String[] args)
{
System.out.print(new JapeneseYen().getC() + " " + new AustralianDollar().getC());
}
}
```

Choose most appropriate option.

Select one:

- a. null null
- b. Canada null
- c. null Canada
- d. Canada Canada
- e. Compilation fails due to an error on line 12 ";country is not visible ";

Feedback

The correct answer is: Compilation fails due to an error on line 12 ";country is not visible ";

Question 37

Incorrect

Mark 0 out of 1

Flag question

Question text

Refer the incomplete code given below.

```
<style>
#firstname {
 background-color: yellow;
 color:red;
}
</style>
<input type=text __Blank1__='firstname'>
```

Choose the CORRECT attribute which if replaces '\_\_Blank1\_\_' will apply the CSS to text box.

Choose most appropriate option.

Select one:

- a. class
- b. style
- c. id
- d. styleclass

Feedback

Your answer is incorrect.

The correct answer is: id

Question 38

Incorrect  
Mark 0 out of 1

[Flag question](#)

Question text

which of the following code creates a list box from which user can select more than one option?

Select one:



a. <select type=multiValue><br /><option> P </option><br /><option> G </option><br /><option> S </option><br /></select>



b. <select name='type' multiple><br /><option> P </option><br /><option> G </option><br /><option> S </option><br /></select>



c. <select name='type' multiValue><br /><option> P </option><br /><option> G </option><br /><option> S </option><br /></select>



d. <select type=multiple><br /><option> P </option><br /><option> G </option><br /><option> S </option><br /></select>

Feedback

Your answer is incorrect.

The correct answer is: <select name='type' multiple><br /><option> P </option><br /><option> G </option><br /><option> S </option><br /></select>

Question 39

Correct

Mark 1 out of 1

Flag question

Question text

'link', 'vlink' and 'alink' are attributes of which HTML tag?

Choose the most appropriate option.

Select one:

- a. <head>
- b. <a>
- c. <img>
- d. <body>

Feedback

Your answer is correct.

The correct answer is: <body>

Question 40

Correct

Mark 1 out of 1

Flag question

Question text

which of the following is block level html tags?

Select one:

- a. <h6>
- b. <b>
- c. <i>
- d. <a>

Feedback

Your answer is correct.

The correct answer is: <h6>

**Question 41**

Correct

Mark 1 out of 1

[Flag question](#)**Question text**

```
<!DOCTYPE html>
<html>
<body>
<script>
var x = (3 + 3) + 4 + "6"; alert(x); //line 1
</script>
</body>
</html>
```

What will be printed in alert box in line 1? Choose most appropriate option.

Select one:

- a. 16
- b. 646
- c. 3346
- d. 106

**Feedback**

The correct answer is: 106

**Question 42**

Incorrect

Mark 0 out of 1

[Flag question](#)**Question text**

Refer the incomplete HTML Code given below

```
<table border="2" _____=10>
<tr> <th>Employee Name</th>
<th>Department</th> </tr>
<tr> <td>Jack</td>
<td>LKM</td> </tr>
<tr> <td>Ace</td><td>Delivery</td> </tr>
```

</table>

Identify the appropriate option to be placed in the spaceso that for each cell, there will be a space between the cell border and its respective content Choose most appropriate option.

Select one:

- a. cellpadding
- b. cellspacing
- c. colspan
- d. colspace

Feedback

The correct answer is: cellpadding

Question 43

Correct

Mark 1 out of 1

Flag question

Question text

In HTML, Which of the following is used to merge columns in a table? Choose most appropriate option.

Select one:

- a. colspan
- b. cspan
- c. columns-span
- d. columnspan

Feedback

The correct answer is: colspan

Question 44

Correct

Mark 1 out of 1

Flag question

Question text

What would be the Output of the below java script Code?

```
<html> <body>
<script>
 var x = 5; var d = (x != "5");
document.write(d +"--");
d = (x === "5"); document.write(d);
</script> </body>
</html>
```

Choose most appropriate option.

Select one:

- a. true--true
- b. false--false
- c. false--true
- d. true--false

Feedback

The correct answer is: false--false

Question 45

Incorrect

Mark 0 out of 1

Flag question

Question text

What would be the color of the text "Bengaluru" and "India" while executing the below html and css code? Assume that "Black" is the default color if there is no style applied.

```
<html>
 <head>
 <style>
 p{ color:red; } .c1{ color:green; }
 </style>
 </head>
 <body>
 <p> Bengaluru </p> <p class="c1"> India </p>
 </body>
</html>
```

Choose most appropriate option.

Select one:

- a. Bengaluru - Red,India - Green

- b. Bengaluru - Red,India - Red
- c. Bengaluru - Red,India - Black
- d. Bengaluru - Black,India - Black

Feedback

The correct answer is: Bengaluru - Red,India - Green

Question 46

Correct

Mark 1 out of 1

Flag question

Question text

Refer the code below:

```
<table border="2">
 <tr> <th colspan="3"> Employee Details</th></tr>
 <tr> <th>Employee Name</th> <th>Department</th> </tr>
 <tr> <td>Jack</td> <td>LKM</td> </tr>
 <tr> <td>Ace</td><td rowspan="2">Delivery</td> </tr>
 <tr> <td>Justin</td> </tr>
</table>
```

How many cells will be displayed when the page is displayed on the browser? Choose most appropriate option.

Select one:

- a. 10
- b. 8
- c. 7
- d. 9

Feedback

The correct answer is: 8

Question 47

Incorrect

Mark 0 out of 1

Flag question

Question text

Which of the following is not a method of document object? Choose most appropriate option.

Select one:

- a. write(String)
- b. print(String)
- c. getElementById(String)
- d. getElementByTagName(String)

Feedback

The correct answer is: print(String)

Question 48

Correct

Mark 1 out of 1

Flag question

Question text

How many cells will be created after executing the below HTML code?

```
<html>
<body>
<table border="1">
<tr> <td colspan="3"> Jack </td> </tr>
<tr> <td colspan="2"> Tom </td> <td> Mark </td> </tr>
<tr> <td rowspan="2"> John</td> <td> James</td> <td> Mary</td> </tr>
<tr> <td> Helen</td> <td> Sam </td> </tr>
</table>
</body>
</html>
```

Select one:

- a. 7
- b. 8
- c. 10
- d. 9

Feedback

Your answer is correct.

The correct answer is: 8

Question 49

Correct

Mark 1 out of 1

[Flag question](#)

Question text

What would be the output of the Javascript code given below?

```
<html>
<body>
<script>
var num1=100;
function test(){
 num2=200;
 var num1=300;
 num1=num2;
}
test();
document.write(num1 + "-" +num2);
</script>
</body>
</html>
```

Select one:

- a. 200-200
- b. 100-200



c. 300-200



d. 300-100

Feedback

Your answer is correct.

The correct answer is: 100-200

Question 50

Correct

Mark 1 out of 1

Flag question

Question text

Consider the HTML code given below.

```
<html>
 <head>
 <script>
 var key=10;
 function add(){
 var key=20;
 window.key=key+1;
 document.write(key);
 document.write(" ");
 print();
 }
 function print(){
 document.write(key);
 }
 </script>
 </head>
 <body>
 <form>
 <input type="submit" onclick="add()" />
 </form>
```

```
</body>
</html>
```

What will be displayed after executing the above code?

Choose the most appropriate option.

Select one:

- a. 11 10
- b. 11 11
- c. 20 21
- d. 21 21

Feedback

Your answer is correct.

The correct answer is: 20 21

# Spartans Mock 3

Question 1

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

What is the term used to define the values that are common across all instances of a class ?

Select one:

- a. Attribute
- b. Interface
- c. Static
- d. Property

Feedback

The correct answer is: Static

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What is the diagram that depicts the interaction between objects by arranging the objects in time sequence ?

Select one:

- a. Use Case Diagram
- b. Component Diagram
- c. Activity Diagram
- d. Sequence Diagram

Feedback

The correct answer is: Sequence Diagram

Question 3

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What defines the state of an object ?

Select one:

- a. Using the class Id
- b. Using the class identity
- c. Using the value of the class properties
- d. Using the behavior

Feedback

The correct answer is: Using the value of the class properties

Question 4

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Select the benefits of OOP ?

Select one or more:

- a. Ease of design
- b. Resuability
- c. code deployment
- d. Testing

Feedback

The correct answers are: Ease of design, Resuability

**Question 5**  
Correct  
Mark 1.00 out of 1.00

[Flag question](#)

**Question text**

Select the true statements about Use Case diagram ?

Select one or more:

- a. Captures users of the system
- b. Depicts the boundary of the system
- c. Captures dynamic aspects of the system
- d. Captures attributes and methods

**Feedback**

The correct answers are: Depicts the boundary of the system, Captures users of the system, Captures dynamic aspects of the system

**Question 6**  
Correct  
Mark 1.00 out of 1.00

[Flag question](#)

**Question text**

How does the different section of an application communicate in an OO approach ?

Select one:

- a. Different sections of the application interact through file system
- b. In OO approach, the different sections run in isolation so they will NOT interact
- c. Different sections of the application interact through database
- d. The objects created during runtime by different sections of the application interact through messages

**Feedback**

The correct answer is: The objects created during runtime by different sections of the application interact through messages

**Question 7**

Correct

Mark 1.00 out of 1.00

Flag question

**Question text**

A program is said to be \_\_\_\_\_, if it optimizes the amount of memory and processing time.

Select one:

- a. robust
- b. documented
- c. efficient
- d. modular

**Feedback**

The correct answer is: efficient

**Question 8**

Correct

Mark 1.00 out of 1.00

Flag question

**Question text**

Enhancements made to the developed software is called as .....

Select one:

- a. Analysis
- b. Testing
- c. Maintenance
- d. Design

**Feedback**

The correct answer is: Maintenance

**Question 9**

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which of the option gives the number of independent paths in the program

Select one:

- a. Equivalence Partitioning
- b. Error Guessing
- c. Mc Cabes number
- d. Boundary Value analysis

Feedback

The correct answer is: Mc Cabes number

Question 10

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Tom and his team uses the SVN(Configuration Management Tool) to do versioning of source code. Tom has pulled out the code from the SVN server to his local machine, updated his task partially and wanted to update the work back to the SVN server. What is the actual process Tom has performed with the SVN server.

Select one:

- a. check in/check out
- b. fork/join
- c. commit/rollback
- d. check out/check in

Feedback

The correct answer is: check out/check in

Question 11

Incorrect  
Mark 0.00 out of 1.00

Flag question

Question text

Identify the McCabe's number for the below code:

```
public class Testing{
 public static void main(String[] args) {
 int var1 = 10;
 int var2 = 20;
 if ((var1 > 8) && (var2 > 8))
 { System.out.println("Greater than 8");
 }
 if ((var1 > 10) || (var2 > 10))
 { System.out.println("Greater than 10"); }
 }
}
```

Select one:

- a. 3
- b. 5
- c. 4
- d. 6

Feedback

The correct answer is: 5

Question 12  
Correct  
Mark 1.00 out of 1.00

Flag question

Question text

ERD Example: Consider the given scenario. ZEE public school Library. A Library has many books. Each Book has many chapters. Identify the cardinality between Chapter and Book

Select one:

- a. 0..m
- b. m..1
- c. m..m
- d. 0..0

Feedback

The correct answer is: m..1

Question 13

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Unix Terminals are called Dummy terminals as they do not have \_\_\_\_\_ capability.

Select one:

- a. Output
- b. Processing
- c. Input
- d. Display

Feedback

The correct answer is: Processing

Question 14

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What does the below Unix command accomplish?

```
$ vi sample
```

Select one:

- a. open file named sample
- b. edit file named sample
- c. delete a file named sample
- d. open file if it exists else creates a new file

Feedback

The correct answer is: open file if it exists else creates a new file

Question 15

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which of the following layer acts as an interface between user and kernel ?

Select one:

- a. Hardware
- b. Kernel
- c. System Calls
- d. Shell

Feedback

The correct answer is: Shell

Question 16

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

What does the below Unix command accomplish?

```
$ sed 's/ABC/ZYX/' file.txt
```

Select one:

- a. Only matches and displays the occurrence of the pattern
- b. Replaces all occurrences 'ABC' with 'ZYX'
- c. Replaces only first occurrence of 'ABC' with 'ZYX'
- d. Replaces first occurrence in every line 'ABC' with 'ZYX'

Feedback

The correct answer is: Replaces first occurrence in every line 'ABC' with 'ZYX'

Question 17

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What is the purpose of using -a option with ls command ?

Select one:

- a. for showing executables
- b. for showing directories
- c. for showing hidden files
- d. for multi columnar output

Feedback

The correct answer is: for showing hidden files

Question 18

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

which of the following option can be used ,in order to quit vi editor without saving the work done ?

Select one:

- a. :q!
- b. :q
- c. :w
- d. :c

Feedback

The correct answer is: :q!

Question 19

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which is the correct way to define an empty book element

Select one:

- a. <book></book>
- b. <book>NULL</book>
- c. <book>
- d. <book>empty</book>

Feedback

The correct answer is: <book></book>

Question 20

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What is the correct way of declaring an XML namespace?

Select one:

- a. xmlns-prefix="URI"
- b. xmlns:prefix,"URI"
- c. xmlns:prefix=URI
- d. xmlns:prefix="URI"

Feedback

The correct answer is: xmlns:prefix="URI"

**Question 21**

Correct

Mark 1.00 out of 1.00

Flag question

**Question text**

What is the correct XPATH that selects all the state elements that have a "speak" attribute with a value of "HIN"

Select one:

- a. //state[@speak,'HIN']
- b. //state[@speak='HIN']
- c. //state[speak='HIN']
- d. //state[@speak=HIN]

Feedback

The correct answer is: //state[@speak='HIN']

**Question 22**

Correct

Mark 1.00 out of 1.00

Flag question

**Question text**

Identify the well-formed XML code

Select one:

- a. <bookstore>  
    <book category="children">  
        <title>Harry Potter</title>  
        <author>J K. Rowling</author>  
        <year>2005</year>  
        <price>29.99 </price>  
    </book>  
</bookstore>
- b. <bookstore>  
    <book category="children">  
        <title>Harry Potter</title>  
        <author>J K. Rowling</author>  
        <year>2005</year>  
        <price>29.99</price>  
    </book>  
</bookstore>
- c. <bookstore>  
    <book category="children">  
        <title>Harry Potter</title>  
        <author>J K. Rowling</author>  
        <year>2005</year>  
        <price>29.99</price>  
    </book>  
</bookstore>
- d. <bookstore>  
    <book category=children>  
        <title>Harry Potter</title>  
        <author>J K. Rowling</author>  
        <year>2005</year>  
        <price>29.99</price>  
    </book>  
</bookstore>

#### Feedback

The correct answer is: <bookstore>  
    <book category="children">  
        <title>Harry Potter</title>  
        <author>J K. Rowling</author>  
        <year>2005</year>  
        <price>29.99</price>  
    </book>  
</bookstore>

#### Question 23

Incorrect

Mark 0.00 out of 1.00

Flag question

#### Question text

which of the following represents correct order from the most to least restrictive? Choose most appropriate option.

Select one:

- a. private,default,protected,public
- b. protected,private,default,public
- c. public,protected,default,private
- d. private,protected,default,public

Feedback

The correct answer is: private,default,protected,public

Question 24

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i=0;
 for(i=0; i<10; i++)
 {
 if(i == 5)
 {
 continue;
 }
 i++;
 System.out.print(i + " ");
 }
 }
}
```

Choose the most appropriate option.

Select one:

- a. 1 2 3 4 5 6 7 8 9
- b. 1 3 5 7 9
- c. 1 2 3 4 6 7 8 9

d. 1 2 3 4 and then program will get into infinite loop

Feedback

The correct answer is: 1 3 5 7 9

Question 25

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which of the following statement/s is/are TRUE?

- (1) Abstract method can have body
- (2) Abstract class cannot be instantiated
- (3) Abstract class can have constructor

Choose the most appropriate option.

Select one:

- a. Both (1) and (3) are TRUE
- b. Only (2) is TRUE
- c. Both (2) and (3) are TRUE
- d. Both (1) and (2) are TRUE

Feedback

The correct answer is: Both (2) and (3) are TRUE

Question 26

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Chaining What is the output for the below code ?

```
class A
{
 public A()
```

```
{
 System.out.print("A ");
}
public A(int i)
{
 System.out.print(i+" ");
}
}
class B extends A
{
public B ()
{
 super();
 System.out.print("B ");
}

public B (int i)
{
 super(i);
 System.out.print(i+3+" ");
}
}

public class Test
{
 public static void main (String[] args)
 {
 new B(5);
 }
}
```

Choose most appropriate option.

Select one:

- a. 5 8
- b. B 8 A 5
- c. A B 5
- d. A B 8

Feedback

The correct answer is: 5 8

Question 27

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

What will be the output of the following Java code?

```
public interface MyInterface
{
 int MY_DATA = 100; public void display();
}
public class MyClass implements MyInterface
{
public MyClass()
{
MyInterface.MY_DATA = 200;
//Line-1
}
public void display()
{
System.out.println(MyInterface.MY_DATA);
}
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 MyInterface ref = new MyClass();
 //Line-2 ref.display();
 }
}
```

Choose the most appropriate option.

Select one:

- a. 100
- b. Compilation error at Line-2: Invalid reference type 'MyInterface'
- c. 200
- d. Compilation error at Line-1: The final field MyInterface.MY\_DATA cannot be assigned

Feedback

The correct answer is: Compilation error at Line-1: The final field MyInterface.MY\_DATA cannot be assigned

Question 28

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Consider the Java code given below. After the execution of the code what will be the content of "array2"?

```
public class Tester
{
 public static void main(String[] args)
 {
 int array1[] = {71,12,23,34};
 int array2[] = new int[4];
 int count = 0;
 for (int i = 0; i < array2.length; i++)
 {
 if(array1[i]%2==0)
 {
 array2[count]=array1[i];
 count++;
 }
 }
 }
}
```

Choose the most appropriate option.

Select one:

- a. 12 34 0 0
- b. 12 34
- c. 12 0 34 0
- d. 0 0 12 34

Feedback

The correct answer is: 12 34 0 0

Question 29

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What is the output of the following code?

```
class Account
{
 int balance;
 public void createAccount()
 {
 balance = 1000;
 }
}
```

```
public int getMinimumBalance()
{
 return balance;
}
}
class SalaryAccount extends Account
{
private String companyName;
public SalaryAccount(String companyName)
{
this.companyName = companyName;
}
public void createAccount()
{
balance = 500;
}
public void checkCompany()
{
if (companyName.equalsIgnoreCase("Accenture"))
{
balance = 0;
}
}
}
public class MainClass
{
 public static void main(String[] args)
 {
 Account account = new SalaryAccount("Accenture");
 account.createAccount();
 System.out.println("Balance : " + account.getMinimumBalance());
 account.checkCompany();
 System.out.println("Balance : " + account.getMinimumBalance());
 }
}
```

Choose the most appropriate option.

Select one:

- a. Balance: 1000 Balance: 500
- b. Balance: 1000 Balance: 0
- c. Compilation Error: The method checkCompany() is undefined for the type Account
- d. Balance: 500 Balance: 0

Feedback

The correct answer is: Compilation Error: The method checkCompany() is undefined for the type Account

Question 30

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What will be the output of the following Java code?

```
public class ApplicationTester {
 public static void main(String[] args) {
 int [] array1 = {10,20,30,40,50};
 int [] array2 = array1;
 for(int index1=0,index2=3; index2<array2.length&&index1<array1.length; index1++,++index2)
 {
 array1[index1]++;
 System.out.print(array2[index2]+ " ");
 }
 }
}
```

Select one:

- a. 41 51
- b. Array Index Out Of Bounds Exception
- c. 0 0
- d. 40 50

Feedback

The correct answer is: 40 50

Question 31

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 for(int i=0; i<=10; i++)
 {
 if(i>6)
 break;
 }
 System.out.println(i); //Line-1
 }
}
```

Choose most appropriate option.

Select one:

- a. 5
- b. 6
- c. null
- d. Compilation error at Line-1: i cannot be resolved to a variable

Feedback

The correct answer is: Compilation error at Line-1: i cannot be resolved to a variable

Question 32

Correct

Mark 1.00 out of 1.00

Flag question

Question text

The employee table contains EmployeeNumber, EmployeeName, Salary and DeptCode Columns. Which is the CORRECT SQL query to display DeptCode and average salary of each department? Choose most appropriate option.

Select one:

- a. SELECT DeptCode,avg(salary) FROM Employee;
- b. SELECT DeptCode,avg(salary) FROM Employee GROUP BY EmployeeNumber;
- c. SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode;
- d. SELECT DeptCode,avg(salary) FROM Employee GROUP BY Salary;

Feedback

The correct answer is: `SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode;`

**Question 33**

Incorrect

Mark 0.00 out of 1.00

[Flag question](#)

**Question text**

Identify the CORRECT SQL statement(s) to remove ONLY the data from "Employee" table?

- (i) `DROP TABLE Employee;`
- (ii) `DELETE FROM Employee;`
- (iii) `TRUNCATE TABLE Employee;`

Choose most appropriate option.

Select one:

- a. Both (i) and (iii)
- b. Both (i) and (ii)
- c. Both (ii) and (iii)
- d. (i), (ii) and (iii)

**Feedback**

The correct answer is: Both (ii) and (iii)

**Question 34**

Incorrect

Mark 0.00 out of 1.00

[Flag question](#)

**Question text**

Consider the table `Student(StudentId, StudentName, Email, PercentageOfMarks)`.

Which is the CORRECT query to display the details in the ascending order (lowest to highest) of `PercentageOfMarks` and in the descending order of `StudentId` in case `PercentageOfMarks` is the same.

Choose most appropriate option

Select one:

- a. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY StudentId DESC, PercentageOfMarks;
- b. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId;
- c. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;
- d. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId DESC;

Feedback

The correct answer is: SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;

Question 35

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

which command help us to get back the permission of accessing the table.

Select one:

- a. rollback
- b. revoke
- c. commit
- d. grant

Feedback

The correct answer is: revoke

Question 36

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Consider Project table given below.

PROJECTID EMPLOYEEID

1	10
2	11
1	13

Identify the correct SQL statement to display the projectId which has more than one employee.

Select one:

- a. SELECT DISTINCT projectid FROM project WHERE projectid IN( SELECT projectid FROM project HAVING COUNT(employeeId)>1);
- b. SELECT DISTINCT projectid FROM project WHERE projectid IN( SELECT projectid FROM project WHERE COUNT(employeeId)>1);
- c. SELECT DISTINCT projectid FROM project WHERE projectid IN( SELECT projectid FROM project GROUP BY projectid WHERE COUNT(employeeId)>1);
- d. SELECT DISTINCT projectid FROM project WHERE projectid IN( SELECT projectid FROM project GROUP BY projectid HAVING COUNT(employeeId)>1);

Feedback

Your answer is correct.

The correct answer is: SELECT DISTINCT projectid FROM project WHERE projectid IN( SELECT projectid FROM project GROUP BY projectid HAVING COUNT(employeeId)>1);

Question 37

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Consider the tables given below.

Emp(empid, empname,salary,deptid)

Dept(deptid,deptname)

Note: deptid column of table Emp referring to deptid column of table Dept.

Identify the correct SQL statement to retrieve employees who are getting more than 25000 salary and working in "FINANCE" department.

Choose most appropriate option.

Select one:

- a. SELECT \* FROM Emp WHERE deptid=(SELECT \* FROM Dept WHERE deptname='FINANCE' AND salary > 25000);

- b. `SELECT * FROM Emp WHERE deptid=(SELECT deptid FROM Dept WHERE deptname='FINANCE') AND salary>25000;`
- c. `SELECT * FROM Emp WHERE deptid=(SELECT deptid FROM Dept WHERE deptname='FINANCE' AND salary>25000);`
- d. `SELECT * FROM Emp WHERE deptid=(SELECT * FROM Dept WHERE deptname='FINANCE') AND salary>25000;`

Feedback

Your answer is incorrect.

The correct answer is: `SELECT * FROM Emp WHERE deptid=(SELECT deptid FROM Dept WHERE deptname='FINANCE') AND salary>25000;`

Question 38

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Which of the following CSS code is the correct one to apply style to tag 'p'? Choose most appropriate option.

Select one:

- a. `p { color:red; text-align:center; }`
- b. `p { color=red; text-align=center; }`
- c. `p ( color:red; text-align:center; )`
- d. `p { color:red, text-align:center; }`

Feedback

Your answer is incorrect.

The correct answer is: `p { color:red; text-align:center; }`

Question 39

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Assume abc.html is existing and a valid HTML page. Refer the code below:

```
<form action="abc.html">
First Name: <input type="text"/>

Last Name: <input type="text"/>

Password: <input type="hidden"/>

<input type="submit" value="Submit"/>
</form>
```

How many HTML controls will be displayed on the browser, when the above page is run on browser?  
Choose most appropriate option

Select one:

- a. 4
- b. 5
- c. 7
- d. 3

Feedback

The correct answer is: 3

Question 40

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Assume abc.html is existing and a valid HTML page. Refer the code below:

```
<form action="abc.html">
First Name: <input type="text"/>

Last Name: <input type="text"/>

Password: <input type="hidden"/>

<input type="submit" value="Submit"/>
</form>
```

How many HTML controls will be displayed on the browser, when the above page is run on browser?  
Choose most appropriate option

Select one:

- a. 7
- b. 3
- c. 5
- d. 4

## Feedback

The correct answer is: 3

### Question 41

Correct

Mark 1.00 out of 1.00

[Flag question](#)

## Question text

Choose from below the valid syntax to show "Welcome to JS!!" to user in JavaScript using a pop up.  
Choose most appropriate option

Select one:

- a. alertBox("Welcome to JS!!");
- b. alert("Welcome to JS!!");
- c. alert(Welcome to JS!!);
- d. alertmsg("Welcome to JS!!");

## Feedback

The correct answer is: alert("Welcome to JS!!");

### Question 42

Incorrect

Mark 0.00 out of 1.00

[Flag question](#)

## Question text

Identify the CORRECT statements with respect to CSS.

- a) CSS is used for giving style for HTML content
  - b) External style sheet can be used only for one HTML page in a website
- Choose most appropriate option.

Select one:

- a. neither a nor b
- b. both a and b

- c. only b
- d. only a

Feedback

The correct answer is: only a

Question 43

Correct

Mark 1.00 out of 1.00

[Flag question](#)

Question text

How many cells will be created after executing the below HTML code?

```
<html>
<body>
<table border="1">
<tr> <td colspan="3"> Jack </td> </tr>
<tr> <td colspan="2"> Tom </td> <td> Mark </td> </tr>
<tr> <td rowspan="2"> John</td> <td> James</td> <td> Mary</td> </tr>
<tr> <td> Helen</td> <td> Sam </td> </tr>
</table>
</body>
</html>
```

Select one:

- a. 8
- b. 9
- c. 10
- d. 7

Feedback

Your answer is correct.

The correct answer is: 8

Question 44

Correct

Mark 1.00 out of 1.00

[Flag question](#)

Question text

Steve is learning to draw a flowchart to calculate the volume of a cuboid. Which of the options given below would fit into the process section of the flow chart?

Select one:

- a. check if l,b,h have positive value
- b. display the volume of the cuboid
- c. Volume=l\*b\*h
- d. Read the value of l,b,h(l represents the length, b represents the breadth, h represents the height)

Feedback

Your answer is correct.

The correct answer is: Volume=l\*b\*h

Question 45

Correct

Mark 1.00 out of 1.00

[Flag question](#)

Question text

The given snippet describes \_\_\_\_\_ -

```
BEGIN
 DECLARE marks[10]
 DECLARE number
 SET number TO 0
 FOR index=0 TO 9
INPUT array[index]
 END FOR
 number= marks[0]
 FOR index=0 TO 9
 IF marks[index] > number THEN
 number =marks[index]
 END IF
 END FOR
 PRINT number
END
```

Select one:

- a. Sample Pseudocode to search an element among 10 numbers.
- b. Sample Pseudocode to sort the given array of 10 numbers
- c. Sample Pseudocode to find out the minimum number among 10 numbers.
- d. Sample Pseudocode to find out the maximum number among 10 numbers.

Feedback

The correct answer is: Sample Pseudocode to find out the maximum number among 10 numbers.

Question 46

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Carefully read the question and answer accordingly. Which data structure is said to be linear data structure?

Select one:

- a. Tree
- b. Arrays
- c. None of the listed options
- d. Graphs

Feedback

The correct answer is: Arrays

Question 47

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Carefully read the question and answer accordingly. Find which list is not related to stacks?

Select one:

- a. Last In First Out
- b. Push-down
- c. First in First Out
- d. None of the options.

Feedback

The correct answer is: First in First Out

Question 48

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Time complexity of an algorithm signifies the total time required by the algorithm to complete its execution with provided resources. State True or False.

Select one:

- True
- False

Feedback

The correct answer is 'True'.

Question 49

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

From the given options identify the appropriate algorithm that has the lowest worst-case complexity?

Select one:

- a. Selection Sort

- b. Quick Sort
- c. Merge Sort
- d. Bubble Sort

Feedback

The correct answer is: Merge Sort

Question 50

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which algorithm is the best sorting method in-place with no quadratic worst-case scenarios?

Select one:

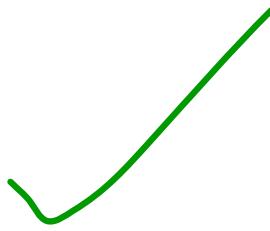
- a. Selection Sort
- b. Heap Sort
- c. Bubble Sort
- d. Quick Sort

Feedback

The correct answer is: Heap Sort

**1. Consider the following Java Code (Assume that Employee is a valid Java class)**

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 Employee emp1 = newEmployee();
 Employee emp2 = newEmployee();
 Employee emp3 = newEmployee();
 Employee emp4 = emp1;
 emp1=emp3;
 emp4=null;
 emp2=emp4; //Line-1
 //some valid Java code
 }
}
```



With respect to the code, how many object/objects will be available for garbage collection after Line-1? Choose the most appropriate option

Ans- 2

**2. Choose the most appropriate option**

```
interface A
{
 public static final int DATA =3;
 void doWork(int t);
}
public class Main implements A
{
 public static void main(String[] args)
 {
 int x=5;
 new Main().doWork(++x);
 }
 void doWork(int s)
 {
 s=DATA+s;
 System.out.println("s "+s);
 }
}
```



Ans – Compile time error

```
Main.java:21: error: doWork(int) in Main cannot implement doWork(int) in A
 void doWork(int s)
 ^
attempting to assign weaker access privileges; was public
1 error
```

**3. Refer to the below code and predict the output**

```
public class Main
{
 public static void main(String[] args)
 {
 int i=10;
 boolean b=false;
 if((b==true) && ((i+=10)==20))
 {
 System.out.println("We are equal "+i);
 }
 else
 {
 System.out.println("Not equal! "+i);
 }
 }
}
```

Ans -

Not equal! 10

**4. What is the output expected on the execution of the following code?**

```
public class Main
{
 static int num=50;
 static void testMethod()
 {
 num=num+10;
 }
 public static void main(String[] args)
 {
 Main m=new Main();
 m.num=20;
 testMethod();
 System.out.println(num);
 }
}
```

Ans – 30

**5. Consider the table Employee(empld,jobBand)**

**What is the correct DML statement to update the job band of all employees to NULL?**

**ANS –**

UPDATE TABLE employee SET jobBand is NULL;

**UPDATE employee SET jobBand = NULL;**

UPDATE TABLE employee SET jobBand = NULL;

UPDATE employee SET jobBand is NULL;

**6. Consider the table Employee(emplId,jobBand)**

**What is the correct SQL statement where all unique job band from employee table?**

**Ans –**

select jobBand DISTINCT from employee;

select DISTINCT jobBand,empid from employee;

select DISTINCT(jobBand) from employee; // gave right answer as well

**select DISTINCT jobBand from employee;**

**7. Consider table Account(accountId,balance) Identify the SQL queries which gives the same result**

**Ans –**

SELECT \* FROM Account WHERE balance>1000 and balance<5000;

SELECT \* FROM Account WHERE balance>=1000 OR balance<=5000;

**SELECT \* FROM Account WHERE balance between 1000 and 5000;**

**SELECT \* FROM Account WHERE balance>=1000 AND balance<=5000;**

**8. Refer the incomplete HTML Code given below**

```
<html>
<body>
<form action="abc.html" ____> <!--Line 1-->
First Name: <input type="text" name="f1"/>

Last Name: <input type="text" name="l1"/>

Password: <input type="password" name="p1"/>

<input type="submit" value="Submit"/>
</form>
</body>
</html>
```

Assume abc.html is existing and a valid HTML page. Identify the appropriate option to be placed at Line 1 so that values entered in the text boxes are not appended to URL while submitting to abc.html.

**Ans –**

method =” GET”

**method = “POST”**

submit = “GET”

submit =” POST”

9. What would be the output of the following Java Script

```
<html>
<body>
 <script>
 var key1=1;
 document.write(typeof(key1)+" ");
 var key2=null;
 document.write(typeof(key2));
 </script>
</body>
</html>
```

Ans –

number object

int object

number undefined

int undefined

10. Which of the following is not a part of SRS document

Ans –

Functional Requirement

Non-Functional Requirements

**Implementation Details**

Hardware Software specifications

11. Consider the following array (12,3,1,5,8) Tell us the number of steps that are required to sort the elements int the ascending order using insertion sort

Ans ~~4~~ 4 steps

12. Choose the appropriate option where prototype model is used

Ans –

For projects where requirements are clear

**For projects where requirements are unclear**

Projects where lot of risk factors needs to be considered

Projects with frequent changes

**13. Arrow symbols in the flowchart is used to show the sequence of steps and the relationship among them. State true or false**

Ans-

True

False

**14. Which command in UNIX is used for clearing the Screen?**

Ans-

clrscr

cls

clear

clearscreen

**15. What is the command to concatenate fname and lname with a space in between and display the output under the heading of “Full Name”?**

Employee(eid,fname,lname,salary)

Ans-

Select fname || " " || lname as 'Full Name' from employee;

Select fname || " " || lname 'Full Name' from employee;

Select fname & lname as 'Full Name' from employee;

Select fname & ' ' & lname 'Full Name' from employee;

**16. From the below list which files will be listed using the following command**

ls chap(^1-4)

Ans-

Chap4

Chap5

Chap6

Chap7

**17. What is an identity of an object?**

Ans-

**Is the property that uniquely differentiates the object from other objects**

Is the id given to the object by the class

Is the state of an object

Is the behavior of the object

**18. Consider the following table structure and write a query to display all the employees who have and don't have department assigned**

**Emp(fname,lname,dno)**

**Dept(deptid,dname)**

**Ans-**

Select fname,deptid from emp e, dept d where e.dno(\*)=d.deptid;

**Select fname,deptid,dname from emp e left outer join dept d on (e.dno=d.deptid);**

Select fname,deptid,dname from emp e, dept d where.dno = d.deptid(\*);

Select fname,deptid,dname from emp e full outer join dept d on (e.no=d.deptid);

**19. Refer the code and predict the output**

```
class Apartment
{
 Apartment()
 {
 System.out.print("b ");
 }
 Apartment(String name)
 {
 this();
 System.out.print("Hreeva "+name);
 }
}
public class Main extends Apartment
{
 Main()
 {
 System.out.print("A ");
 }
 Main(String name)
 {
 this();
 System.out.print("B "+name);
 }
 public static void main(String[] args)
 {
 new Main("C ");
 }
}
```

**Ans-**

**b A B C**

A B C

A B C b

B Hreeva A B C

20. given the following code snippet: which of the following are true

```
import java.util.List;
import java.util.ArrayList;
public class Main
{
 public static void main(String[] args)
 {
 List list=new ArrayList(3); //Line 1
 list.add(7);
 list.add("D");
 list.add(new Integer(7));
 System.out.print(list);
 }
}
```

Ans – the output will be [7 , D, 7 ]

21. Predict the output

Given two files

```
package A;
public class One
{
 int no1=50;
 protected int no2=60;
 public int no3=70;
}
```

```
package B;
import A.*;
public class Main
{
 public static void main(String[] args)
 {
 One o=new One();
 System.out.print(" "+o.no1);
 System.out.print(" "+o.no2);
 System.out.print(" "+o.no3);
 }
}
```

Ans – Compile time error

```
Main.java:16: error: no1 is not public in One; cannot be accessed from outside package
 System.out.print(" "+o.no1);
 ^
Main.java:17: error: no2 has protected access in One
```

```
System.out.print(" "+o.no2);
```

^

2 errors

**22. Identify the correct CSS representation for a paragraph**

Ans-

p{padding:25px;}

p{padding=25px;}

p=padding:25px;

p: padding: 25px;



**23. Which attribute is used to reference an xml schema in an xml document**

Ans-

xsi:schemaLocation

xsi:Location

xsd:schemaLocation

xsi=schemaLocation



**24. Two modules with more dependency is known as loosely coupled modules and two modules with less dependency is known as uncoupled modules state true or false**

Ans-

True

False



**25. Carefully read the question and answer accordingly. To execute the result of the last executed procedure, call recursive procedures use stacks. State true or false**

Ans-

True

False



**26. Path is used to locate file in Unix filesystem. The types of path supported are \_\_\_\_\_ and \_\_\_\_\_**

Ans-

Absolute  
Relative  
Reference  
Dynamic



**27. Predict the output**

**Step 1: start the program**

**Step 2: Declare a variable count and set the count as 1**

**Step 3: Print the count**

**Step 4: Increment the count by 1**

**Step 5: Check whether count is greater than or equal to 1. If yes go to step 3. If no go to step 6**

**Step 6: Print the count**

**Step 7: Stop**

**Ans-**

1 1

1 2

2 1

**Loop runs indefinitely**

**28. Below statement is an example of \_\_\_\_\_ path in Unix**

**&cd /home/course/CSE/C++**

**Ans-**

Absolute  
Relative  
Reference  
Dynamic



**29. Predict the output of below command**

**grep "Atul" employee.txt | echo "not found"**

**Ans-**

Searches for Atul and echoes "not found"



Searches for Atul

Searches for Atul and displays

**Searched for Atul and echoes “not found” when not found**

**30. Consider the scenario. For an insurance, customer makes a claim. The claim can be a normal or a critical claim. The insurance company confirms the claim. What diagram can be used to understand the state changes of the component triggered by events and dynamic nature?**

Ans-

Sate chart diagram ✓

Sequence diagram

Activity diagram ✗

Interaction diagram

**31. Predict the output**



```
class Mammal
{
 String name="Dog";
 String makeNoise()
 {
 return "BOW WOW";
 }
}

class Cat extends Mammal
{
 String name="Cat";
 String makeNoise()
 {
 return "Meow";
 }
}

public class Main
{
 public static void main(String[] args)
 {
 new Main().go();
 }
 void go()
 {
 Mammal m=new Cat();
 System.out.println(m.name+m.makeNoise());
 }
}
```

Cat Meow

Dog BOW WOW

**Dog Meow**

Cat Bow Wow

**32. A team of employees is trying to analyze the root cause of the issues identified for the online Library Management. From the options identify the process that is carried out.**

**Ans-**

- Coding
- Testing
- Analysis
- Debugging**



**33. Information hiding is achieved through which OOP principle?**

**Ans-**

- Abstraction
- Encapsulation**
- Typing
- Hierarchy



**34. From the following options choose all the possible Exceptions for the above code**

```
Try{
 Int check = Integer.parseInt("Five");
}
```

**Ans-(class cast, number format)**

- ClassCastException
- IllegalStateException
- NumberFormatException**
- IllegalArgumentException**
- ExceptionInInitializerError



**35. Unix file system is a collection of files and directories organized in a \_\_\_\_\_ manner**

**Ans- hierarchical**



**36. Predict the output**

```

public class Main
{
 int x=50;

 public static void main(String[] args)
 {
 final Main f1=new Main();
 Main f2 = new Main();
 Main f3 = isValid(f1,f2);
 System.out.println((f1==f3)+" "+(f1.x==f3.x));
 }

 static Main isValid(Main x, Main y)
 {
 final Main z=x;
 z.x=60;
 return z;
 }
}

```



Ans- true true

### 37. Predict the output

```

import java.util.Iterator;
import java.util.Set;
import java.util.TreeSet;

public class TestMain
{
 public static void main(String[] args)
 {
 checkTest();
 }

 public static void checkTest()
 {
 Set set = new TreeSet();
 set.add("A");
 set.add(3);
 set.add("B");
 Iterator it=set.iterator();
 while (it.hasNext())
 {
 System.out.print(it.next()+"");
 }
 }
}

```



Ans-

A 3 B

A B

3

A followed by an exception

An exception is thrown at runtime

Exception in thread "main" java.lang.ClassCastException: java.lang.String cannot be cast to java.lang.Integer

### 38. What is true regarding State Chart Diagram?

Ans-

Depicts different states of an object during lifetime

Flow of activity

Chart diagram of objects

Static view of objects

### 39. Predict the output

```
public class TestMain extends Tree
{
 public static void main(String[] args)
 {
 new TestMain().go();
 }

 void go()
 {
 grow2(new Tree(),new TestMain());
 grow2((TestMain) new Tree(), new TestMain());
 }

 void grow2(Tree t1, TestMain r1)
 {
 TestMain r2 = (TestMain) t1;
 Tree t2=(Tree) r1;
 }
}

class Tree
{}
```

An exception is thrown at runtime

The code compiles and runs with no output

CTE

- Exception in thread "main" java.lang.ClassCastException: Tree cannot be cast to TestMain

**40. Predict the output**

```
public class TestMain
{
 {
 index = 1;
 }
 int index;

 public static void main(String[] args)
 {
 new TestMain().find();
 }

 void find()
 {
 int[][] d={{7,8,9},{4,5,6},{0,1,2,3}};
 System.out.println(d[index++][index++]);
 }
}
```

2

Ans - 6 right answer=6

**41. Predict the output. Which statement can replace to allow the above code to compile and run.**

```
import java.util.ArrayList;
import java.util.List;

public class TestMain
{
 public static void main(String[] args)
 {
 //INSERT LIST DECLARATION HERE
 for (int i=0;i<=5;i++)
 {
 List<Integer> row=new ArrayList<Integer>();
 for(int j=0;j<=5;j++)
 row.add(i*j);
 db.add(row);
 }
 for(List<Integer> row : db)
 System.out.println(row);
 }
}
```

Ans -

```
List<List<Integer>> db = new ArrayList<List<Integer>>();
List<List<Integer>> db = new List<List<Integer>>();
List<List, Integer> db = new List<List, Integer>();

[0, 0, 0, 0, 0, 0]
[0, 1, 2, 3, 4, 5]
[0, 2, 4, 6, 8, 10]
[0, 3, 6, 9, 12, 15]
[0, 4, 8, 12, 16, 20]
[0, 5, 10, 15, 20, 25]
```

42. Carefully read the question and answer accordingly. In Linear search algorithm, if an item to be searched is found in the middle of an array then it is said to be \_\_\_\_\_

Ans-

Best case

Worst case

**Average case**

Null case

43. Which of the given phases consume more time during the Software life cycle

Ans-

Analysis

**Design**

Testing

Maintenance

44. If you are asked to do a modular software design, which combination of coupling and cohesion should you use for designing the software?

Ans-

High cohesion and high coupling

**High cohesion and low coupling**

Low cohesion and high coupling

Low cohesion and low coupling

45. What is the output of the following script

```
<script>var x=16+4+"100"
```

```
alert(x)</script>
```

Ans – 20100

46. Which jquery syntax hides all the paragraph elements

Ans-

```
$(“p”).hide();
```

```
$(p).hide();
```

```
$(“p”)-hide();
```

("p").hide();

**47. Match the following**

**DDL, DML, DCL, TCL**

**GRANT, COMMIT, SELECT, CREATE**

Ans-

**DDL – CREATE**

**DML – SELECT**

**DCL – GRANT**

**TCL – COMMIT**

**Note:**

**DDL (Data Definition Language) – Create, drop, alter, truncate, comment, rename**

**DQL (Data Query Language) – SELECT**

**DML (Data Manipulation Language) – Insert, update, delete**

**DCL (Data Control Language) - Grant, revoke**

**TCL (transaction Control Language) – Commit, rollback, savepoint, set transaction**

**48. Which is the root element of every XSD?**

Ans-

Schema

Root

Schema xsd

Base

**49. The kernel is the core part of UNIX operating system. Choose 3 tasks achieved by Kernel from the list below**

Ans-

Performs disk operations

Manages I/O operations

Performs memory and processes management

Interfaces between user and operating system

**50. You must explicitly commit GRANT on tables. State true or false**

Ans-

True

False



**51. Which of the following algorithm(s) is/are said to be non-adaptive?**

Ans-

Selection sort

both merge and selection sort

Merge sort

( if que is multiple choice then select both otherwise only merge)

Bubble sort

Insertion sort



**52. Which of the following is more efficient in terms of memory utilization and execution speed?**

Ans-

Recursion

Iteration

Sequential

Conditional



**53. In HTML, what is the default min and max values for the input type called range?**

Ans-

Min=0, max=100

Min=1, max=10

Min=0, max=10

Min=1, max=100

**54. Root is a super user in Unix operating system and it is represented using \_\_\_\_\_**

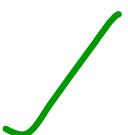
Ans-

\$

/

answer= /

>



~

55. Given

```
public class Main
{
 public static void main(String[] args) {
 check();
 check(10);
 check(10,20);
 }

 //insert code here
}
```

Which of the following statement can replace // insert code here, that will compile without any errors? Choose all that apply

Ans-

- static void check(int...checkArgs){}
- static void check(int[] checkArgs){}
- static void check(int...checkArgs,int y){}
- static void check(int checkArgs...){}
- static void check(int x,int...checkArgs){}

56. java.util.List allows you to grow or shrink its size and provides indexed access to its elements, but whose methods are not synchronized. State True or False

Ans-

False

True 

False

57. State true or false

White box testers require the working knowledge of the code being tested

Ans-

True 

False

58. Carefully read the question and answer accordingly. In an array, if an item to be searched is found in the last element of the array or not found in the array then it is said to be \_\_\_\_\_

Ans-

Best case

**Worst case**

Average case

Null case

59. What does public String pattern() return?

Ans-

~~Returns the compiled version of boolean after matching the regular expression against the given~~

**Returns the compiled version of regular expression into a Pattern**      answer=B

Returns the pattern's source regular expression

Returns the compiled version of string into the pattern

60. What is the complexity of the given code

```
void cou(int m)
{
 int a,b,c=0;
 for(a=m/2;a<=m;a++)
 for(b=1;b<=m;b=b*2)
 c++;
}
```

Ans-

O(nlogn)

O(n^2)

O(n^2logn)

O(logn)

61. Choose the options which are true with respect to views in SQL?

Ans-

View is a virtue table that does not physically exist

Views are used for maintaining logical data independence

View do not maintain data integrity

View is database objects that physically exist

62. For developing a water plant application the following statements are captured in the SRS

- i) if the water level goes below 20%, then the application should raise an alarm for immediate action
- ii) if the water level goes below 15%, then the application should automatically switch on the power button to fill in water in the tank

Identify the issue with the requirement specified in the SRS

Ans-

**Contradicting requirements**

No issues with the requirements

Incomplete requirements

Unreliable requirement

63. Name the Unix command to perform safe shut down a Unix system

Ans-

Poweroff

Shutdown

Reboot

64. Predict the output

```
class Store
{
 String find(short shops)
 {
 return "a few ";
 }

 String find(short...shops)
 {
 return "many";
 }
}
public class Main
{
 public static void main(String[] args) {
 System.out.print(new Store().find(1));
 System.out.print(new Store().find(1,2));
 }
}
```

Ans-

A few many

A few

Many

**Compile time error - error: no suitable method found for find(int)**

### 65. Predict the output

```
public class Main
{
 {
 index=1;
 }
 int index;

 public static void main(String[] args) {
 new Main().find();
 }

 void find()
 {
 int[][] d={{7,8,9},{4,5,6},{0,1,2,3}};
 System.out.println(d[index++][index++]);
 }
}
```

Ans-

6      answer= 6

### 66. Predict the output

```
public class Main
{
 public void printVal(Integer i)
 {
 System.out.println("Integer "+i);
 }
 public void printVal(int i)
 {
 System.out.println("Int "+i);
 }
 public static void main(String[] args) {
 new Main().printVal(127);
 }
}
```

Ans-

Int 127

 67. When constructing looping statements, if the iteration condition is not terminated, it will result in infinite loop. State True or false

Ans-

True

False

 68. Predict the output

```
public class Milon
{
 Milon()
 {
 ...
 }
 Milon(Milon m)
 {
 m1=m;
 }

 Milon m1;

 public static void main(String[] args)
 {
 Milon m2=new Milon();
 Milon m3=new Milon(m2);
 m3.go();
 Milon m4=m3.m1;
 m4.go();
 Milon m5=m2.m1;
 m5.go();
 }

 void go()
 {
 System.out.print("hi");
 }
}
```

Hi hi followed by exception

Hi hi hi

Hi hi

Hi

Hi followed by exception

 69. Select the statements that are true about Persistence

Ans- Only 1 and 2

 Persistence is a way through which the life time of object exists even after the program terminates

 Java uses serialization for object persistence

Persistence is a way through which the life time of object is terminated as the program terminates

 Persistence of object is done by java runtime automatically

70. Predict the output

```
public class Main extends Count
{
 public static void main(String[] args)
 {
 Short no1=10;
 System.out.println(addCount(no1,8));
 }
}

class Count
{
 int addCount(int x,int y)
 {
 return x+y;
 }
}
```

Ans-

Compile time error

10

18

8

71. Bonus calculated module was unit tested by the developer. Depending on the salary the bonus needs to be calculated. Assume if one of the salary-range is between 30000 to 40000 then the bonus should be 10%. From the given options identify the test cases for Equivalence Partitioning.

Ans-

25000,35000,45000

25000,27000,29000

42000,43000,45000

32000,35000,39000

72. Predict the output

```
public class Main extends Animal
{
 public static String bark()
 {
 return "Bow Wow";
 }
 public static void main(String[] args)
 {
 Main t=new Main();
 Animal s=new Animal();
 System.out.println(t.bark()+" "+s.bark());
 }
}
class Animal
{
 public static String bark()
 {
 return "Roar";
 }
}
```

Ans-

Bow Wow

Roar

**Bow Wow Roar**

Compile time error

### 73. Choose the statement that true about Class?

Ans-

Class is a dynamic component

**Class is described using attributes and methods**

Change the class to change the state of an object

Class properties depends on object properties



### 74. Which xsd correctly defines a restriction on votingage element where the value is between 18 and 130

Ans-

Opt A

```
<xs:element name="votingage"><xs:simpleType><xs:restriction
base="xs:integer"><xs:minInclusive value="18"/><xs:maxInclusive
value="130"/></xs:restriction></xs:simpleType></xs:element>
```

75. Given

```
Public abstract Interface1 {public void method(String s);}
```

Which of the following is/are correct class implementation(s)

Ans- B E

a      Public abstract class Class1 implements Interface1{  
          Public abstract void method(String s){}  
          }

b      Public abstract class Class1 implements Interface1{}

answer=B and E

c      Public class Class1 extends Interface1{  
          Public void method(Integer i) {}  
          }

d      Public class Class1 implements Interface1{  
          Public void method(Integer i) {}  
          }

e      Public class Classs1 implements Interface1{  
          Public void method(String i) {}  
          Public void method(Integer s) {}  
          }

76. Predict the output

```
import java.util.*;
public class Main
{
 public static void main(String[] args)
 {
 String[] str={"Banana", "Apple", "Watermelon","Mango"};
 sortFruit o=new sortFruit();
 Arrays.sort(str,o);
 for(String s:str)
 System.out.print(s+" ");
 System.out.println(Arrays.binarySearch(str,"map"));
 }
 static class sortFruit implements Comparator<String>
 {
 public int compare(String str1,String str2)
 {
 return str2.compareTo(str1);
 }
 }
}
```

Ans-

Watermelon Mango Banana Apple -5

77. What is the relationship between these two Building has rooms

Ans-

Composition

Aggregation

Generalization

Hierarchy

78. If an element is to be retrieved from a specific location in an array, the array has to be \_\_\_\_\_

Ans-

Traversed from the first position until the element is found

Added in ascending order and compared with each element

Traversed from the last position to first until the element is found

Sorted in descending order and compared with each element.

79. Predict the output

```
class Main
{
 public static void main(String[] args)
 {
 Long x=40L;
 Long y=40L;
 System.out.print(" "+8+5+" ");
 System.out.print(print()+x+6+" ");
 System.out.println(x+y+print());
 }
 static String print()
 {
 return "Message";
 }
}
```

Ans-

~~80~~ 85 Message406 80 Message

80. In which of the given SDLC models' rapid changes are easily incorporated

Ans-

V-model

Agile model

Prototyping model

Waterfall model

81. What is the lifeline in a sequence diagram?

Ans-

Object's life time

Actor's life time

System's life time

Modelling life time

82. What are the best ways to ensure that a class implements the required behavior?

Ans- A, D

Use Interface

Method inside interface are public and abstract

Have a strict testing

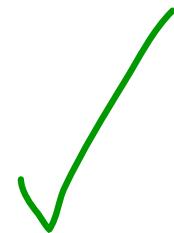
✓ Use encapsulation

### 83. Predict the output

```
public class BlackBoard{
 public void finalize(){System.out.println("object
 is garbage collected");}

 Short story=200;
 |
 BlackBoard write(BlackBoard bb)
 {
 bb=null;
 return bb;
 }

 public static void main(String args[]){
 BlackBoard b1=new BlackBoard();
 BlackBoard b2=new BlackBoard();
 BlackBoard b3=b1.write(b2);
 b1=null;
 System.gc();
 }
}
```



How many objects eligible or GC is reached, how many objects are eligible for Garbage Collection?

Ans – 1 (or 2)      1

only 1

### 84. Predict the output

```
import java.util.Iterator;
import java.util.Set;
import java.util.TreeSet;

public class Main
{
 public static void main(String[] args) {
 checkTest();
 }
 public static void checkTest()
 {
 Set set=new TreeSet();
 set.add("A");
 set.add(3);
 set.add("B");
 Iterator it=set.iterator();
 while(it.hasNext())
 System.out.print(it.next()+" ");
 }
}
```

Ans- An exception is thrown at runtime

#### 85. What are the types of Interaction Diagrams?

Ans-

Sequence diagram

Collaboration diagram

Activity diagram

State chart diagram

#### 86. A Team is allocated with a new project. All their work needs to be accessed and updated in the same repository. Which of the given options would help them achieve this?

Ans-

Software configuration management

Creating a common folder in the server

Creating a common folder local

Using IDE

87. Predict the output?

```
import java.util.*;

public class Main
{
 public static void main(String[] args) {
 Map<Tasks, String> m=new HashMap<Tasks, String>();
 Tasks t1=new Tasks("Jan");
 Tasks t2=new Tasks("Jan");
 Tasks t3=new Tasks("Apr");
 m.put(t1, "Design");
 m.put(t2, "Code");
 m.put(t3, "Develop");
 System.out.println(m.size());
 }
}
class Tasks
{
 String day;
 Tasks(String d)
 {
 day=d;
 }
 public boolean equals(Object o)
 {
 return ((Tasks) o).day==this.day;
 }
 public int hashCode() {return 0;}
}
```

Ans – 2

88. Choose the correct order in which the Oracle Server evaluate clauses

Ans-

Where, group by, having      FROM -> CONNECT BY -> WHERE -> GROUP BY ->  
Where, having, group by      HAVING -> SELECT -> ORDER BY  
Having, where, group by  
Group by, having, where

89. Carefully read the question and answer accordingly

Analysis of selection algorithm eliminates \_\_\_ number of elements each time

Ans-

n elements ~~X~~

Type something...

n/2 elements

## n / 2 elements

n/4 elements

(n/2) +n elements

90. Predict the output

```
class Car
{
 public String name="Modial";
 public Car()
 {
 System.out.print("Car ");
 }
}

public class Ferrari extends Car
{
 public Ferrari()
 {
 System.out.print("Ferrari ");
 }
 void getModel()
 {
 name="Portofino";
 System.out.print(this.name+" "+super.name);
 }
 public static void main(String[] args)
 {
 new Ferrari().getModel();
 }
}
```

Ans- Car Ferrari Portofino Portofino

91. Software which controls radiation equipment for patients is best shut down, if it receives bad input for a radiation dosage. This is a best example for \_\_\_\_\_

Ans-

Correctness

**Robustness**

Verification

Validation

## 92. Predict the output



```
public class TestMain
{
 static String s="*";
 public static void main(String[] args)
 {
 new TestMain().s1();
 System.out.println(s);
 }
 void s1()
 {
 try
 {
 s2();
 }
 catch(Exception e)
 {
 s+="c";
 }
 }
 void s2() throws Exception
 {
 s3();
 s+="2";
 s3();
 s+="2b";
 }
 void s3() throws Exception
 {
 throw new Exception();
 }
}
```

Ans - \*c

## 93. Predict the output



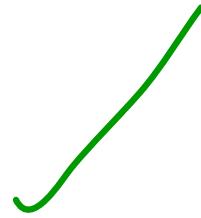
```
class High
{
 public High(String s)
 {
 System.out.print("From High");
 }
}
public class TestMain extends High
{
 public TestMain(String s)
 {
 System.out.print("From Low");
 }

 public static void main(String[] args)
 {
 new TestMain("High Low");
 System.out.println(" ");
 }
}
```

Ans- Compile time error

**94. Predict the output**

```
import java.util.*;
public class TestMain
{
 public static void main(String[] args)
 {
 TreeSet<String> lList=new TreeSet<String>();
 TreeSet<String> sList=new TreeSet<String>();
 lList.add("One");
 lList.add("Two");
 lList.add("Three");
 lList.add("Four");
 lList.add("Five");
 sList=(TreeSet) lList.subSet("One",true,"Six",true);
 lList.add("One");
 lList.pollFirst();
 lList.pollFirst();
 lList.add("Two");
 System.out.println(lList.size()+" "+sList.size());
 }
}
```



**Ans- 3 1**

**95. Which concept ensures every change that is made to the artifact can be properly tracked and changed?**

**Ans-**

**Version control**

Resource planning



Testing

Review of artifacts

**96. Which script code produces the output as Welcome to “Javascript”**

**Ans-**

```
<script>var x="welcome to \"Javascript\""; alert(x);</script>
<script>var x="welcome to "Javascript"'; alert(x);</script>
<script>var x="welcome to \"Javascript\""; x.alert(x);</script>
<script>var x1="welcome to \"Javascript\""; alert(x);</script>
```



**97. Which is not an attribute of schema element**

**Ans-**

targetnamespace

xmlns  
elementFormDefault  
**version**

98. What is the output of the following code?

```
<script> var str="A bag of apples is full of apples"; var pos=str.indexOf('apples');alert(pos)</script>
```

Ans= 9

99. Predict the output of the below SQL query

**SELECT DISTINCT CITY FROM CUSTOMER;**

Ans-

Displays all cities

Displays unique cities

Displays distinct cities

Query has syntax error

100. What are the best ways to ensure that a class implements the required behavior?

Ans-

A and D

User interface

Method inside interface are public and abstract

Have a strict testing

Use encapsulation

101.  $O(n\log n)$  is the best-case time complexity of Bubble Sort. State True or False

Ans-

True

False

$O(n)$  is best time complexity of bubble sort hence false

102. Predict the output of the following command

```
$ who | tee userlist.txt
```

Ans-

The command displays the output on the monitor

**The command displays the output of who in the monitor and also saves the output in userlist.txt**

The command saves the output in userlist.txt

The command displays an error message on the monitor

**103. Which of the given options perform requirement specification- based testing**

**Ans-**

White box testing

**Black box testing**

Integration testing

Glass box testing

**104. Consider the following CSS script**

**Start program**

**padding: 20px, 30px;**

**end program**

**what is the order of padding property that has two values?**

**Ans-**

Top and right, left and bottom

Right and left, top and bottom

**Top and bottom, right and left**

Right and bottom, top and left

**105. What is the command to fetch employee id, employee name and salary with 10% increase from employee?**

**Employee(eid,ename,salary)**

**Ans-**

**Select eid, ename, (salary+salary\*0.1) from employee;**

**Select eid, ename, (salary+salary\*10/100) from employee;**

**Select eid, ename, salary\*10% from employee;**

**Select eid, ename, salary\*10/100 from employee;**

**106. UNIX is more commonly used operating system in comparison with other OS. Choose two reason from the below options in support of this statement.**

Ans-

It is open source software 

 It is highly secure

 It is user friendly

Has good graphical user interface

This question has too much confusion  
make your own research and do accordingly

**107. What attribute is used to indicate that an attribute is required for an element in the XSD**

 Ans-

use

required

needed

mandatory

if in question there is  
XSD = use  
or  
DTD= required

**108. Two tables joined using SELF JOIN are different tables with the same columns**

Ans-

 True

False

**109. In HTML, what is the default type of an input element?**

 Ans-

submit

 text

hidden

reset

**110. What string datatype can be used for string that does not contain line feeds, carriage returns or tabs**

Ans-

 xs: string

xs: name

xs: nospace

normalisedString

**111. Which element is used to indicate that elements defined in the xsd must appear in the same order in the xml file**

Ans-

<xs: sequence>

<xs: ordered>

<xs: queue>

<xs: same-order>

**112. Which is the HTML5 equivalent of <div id=" content">**

Ans-

<section>

<body>

<article>

<header>

**113. Which script displays an alert box with the required information when a button with the name msgbtn is clicked**

Ans- A

<script>document.getElementById("msgbtn").addEventListener("click",function(){alert("Welcome to button clicks!");});</script>

<script>document.getElementById("msgbtn").EventListener("click",function(){alert("Welcome to button clicks!");});</script>

<script>document.getElementById("msgbtn").includeEventListener("click",function(){alert("Welcome to button clicks!");});</script>

<script>document.getElementById("msgbtn").addEventListerner("click",function=alert("Welcome to button clicks!"));</script>

**114. Which of the given options define a set of activities that transform the client needs to an effective software solution**

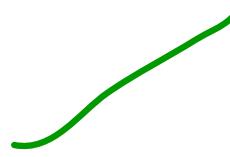
Ans-

- ✓ Software planning
- Software cost estimation
- Software development process**
- Software resource planning

**115. order the types of cohesion from the worst cohesion to the best cohesion**

- a. functional cohesion
- b. co-incidental cohesion
- c. communicational cohesion
- d. temporal cohesion
- e. procedural cohesion
- f. logical cohesion
- g. sequential cohesion

Ans- b-f-d-e-c-g-a



**116. After the development of the online website for banking, the testers found that the application was not user friendly to differently abled people. Identify in which level of testing, the testers would have identified this issue**

Ans-

- Unit testing
- Integration testing
- System testing**
- Acceptance testing

**117. In javascript, which of the following popup boxes has the cancel button? Choose one**

Ans-

- Alert box and prompt box
- Alert box and confirm box
- Confirm box and prompt box**
- Alert box, prompt box and confirm box



**118. which of the following is correct if the xsd is <xs: element name="bgcolor" type="xs: string" fixed="green"/>**

Ans-

- <bgcolor>green</bgcolor>
- <bgcolor>red</bgcolor>
- <bgcolor>green<bgcolor>
- <bgcolor>GREEN</bgcolor>

**119. Choose a query that will display the names of colleges where the available seats are between 50 to 100 hint: inclusive of 50 and 100**

Ans-

Select college\_name from college where available\_seats=50 and available\_seats=100;

Select college\_name from college where available\_seats 50 and available\_seats 100;

**Select college\_name from college where available\_seats between 50 and 100;**

Select college\_name from college where available\_seats between 50 to 100;

**120. What will be the XSD definition for the following element <age>40</age>**

Ans-

- <xs:element name="age" type="xs:integer"/>
- <xs:element name="age" type="Integer"/>
- <element name="age" type="xs:integer"/>
- <xs:element name="age" type="xs:int"/>

**121. Which is the correct implementation for a progress bar in HTML5**

Ans- #review

- <progress value="20" max="100"></progress>
- <progress value:20 max:100></progress>
- <progress value="20", "100"></progress>
- <progress value="20" and max="100"></progress>

**122. Which command is used to get intermediate result in a pipeline of commands in Unix**

Ans-

 tee

grep

wc

ls

**123. Carefully read the question and answer accordingly. A simple algorithm may have high complexity, whereas a complex algorithm may have lower complexity in the sense of time needed for the computations. State true or false**

**Ans-**

**True**

False

**124. Identify which is not an XML Naming Rule**

**Ans-**

The names of elements are case- sensitive

Names of elements must not contain spaces

**Element names can start with letters xml**

An underscore can be used to start an element name

**125. Which is not part of HTML5 API**

**Ans-**

 HTML Geolocation

HTML application cache

HTML Drag and Drop

**HTML Geography**

**126. In javascript, which of the following code is valid to get an html element by name?**

**Ans-**

**document.getElementsByName**

document.getElementByName

document.getElementsByNames

document.getElementByNames

127. Which of the following options in UNIX can be used for printing the calendar for December 2019?

Ans-

\$ cal 12 2019

\$ cal dec 2019

\$ cal December 2019

\$ calendar 2019

128. Kernel of UNIX operating system is written using \_\_\_\_\_

Ans-

C

answer is C language

C++

VC++ X

JAVA

129. Predict the output

```
class Clamper
{
 private final void amp()
 {
 System.out.println("Clamper");
 }
}
public class Clipper extends Clamper
{
 public final void amp()
 {
 System.out.println("Clipper");
 }
 public static void main(String[] args)
 {
 new Clipper().amp();
 }
}
```

Ans – Compile time error

130. Which option can be used to perform a forward search of string in the vi editor

Ans-

/string

/find

?find

?string

131. Unix executables are stored in which path?

Ans-

/dev

**/bin**

/usr

/tmp

132. Which command can be used for navigating 5 pages forward in vi editor

Ans-

5 ctrl + f

5 ctrl + b

5 ctrl + a 20 times

5 ctrl +c 20 times

133. Carefully read the question and answer accordingly. In an array, if an item to be searched is found in the middle of an array then it is said to be \_\_\_\_\_

Ans-

Best case

Worst case

Average case

Null case

134. Constraints ensures \_\_\_\_\_ and \_\_\_\_\_ of the data in the database

Ans-

Correctness ✓

correctness and reliability

Reliability ✓

A and B

Reuse

Redundancy ✗

**135. Predict the output**

```
class TestException extends Exception
{
}
class Name
{
 public String sayName(String name) throws
 TestException
 {
 if(name==null)
 {
 throw new TestException();
 }
 return "Hello "+name;
 }
}
public class Main
{
 public static void main(String args[]) throws
 Exception
 {
 Name nameobj=new Name();
 System.out.println(nameobj.sayName("John"));
 }
}
```

**Ans- Hello John**

**136. Select the abilities given by Polymorphism to the programming language**

**Ans-**

**Static polymorphism is achieved by varying the input parameters**

**Parent class methods can be overridden by the child class**

**Static class is given as-a part of relationship**

**Gives a stronger form of aggregation and composition**

**137. Sam and Rose are working on the Lone Monitoring project. The head version was checked out by both Sam and Rose, both of them made their changes in the local machine. Both of them made the required changes and updated the same to the server. From the given options identify the correct option**

**Ans-**

**Both their changes get committed to the server**

**First person change gets committed while for the second one the server notices life differences**

**Both the project gets rolled back**

**Second project gets overwritten by the first one**

138. The following code snippets belong to \_\_\_\_\_

```
int Search(int arr[],int s,int toFind)
{
 int index,retVal=-1;
 for(index=0;index<=s;index++)
 {
 if(toFind==arr[index])
 {
 retVal=index;
 break;
 }
 }
 return retVal;
}
```

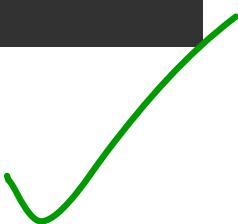
Ans-

Linear search

Binary search

Merge search

Quick search



139. With respect to the Java code given below identify the number of references and number of objects

```
public class ApplicationTester{

 public static void main(String []args){
 String str1=new String("Java");
 String str2=new String("GFT");
 String str3=str1;
 str1=str1.concat(str2);
 str3=str2.toUpperCase();
 }
}
```

Ans-

4 objects and 3 references

answer = A

3 objects and 4 references

2 objects and 3 references

3 objects and 3 references



140. What is the output expected for the below code?

```
public class ConstructorTest
{
 private ConstructorTest(int w)
 {
 System.out.println(w);
 }
 public static ConstructorTest(){ //Line-6
 System.out.println(10);
 }
 public static void main(String[] args)
 {
 ConstructorTest obj=new ConstructorTest(50);
 }
}
```

Ans- Won't compile because of Line=6, constructor can't be static

141. What will be the output of the following Java code?

```
public class ApplicationTest
{
 public static void main(String[] args)
 {
 char ch='4';
 switch(ch)
 {
 case '2':System.out.println("Hello");
 break;
 default: System.out.println("Hello");
 case '1':System.out.println("Hello");
 case '3':System.out.println("Hello");
 break;
 }
 }
}
```

Ans- "Hello" will be displayed 3 times

142. Consider the following Java code

```
public class Employee
{
 int empNo;
 public void setEmpNo(int num)
 {
 this.empNo=num;
 }
 public int getEmpNo()
 {
 return this.empNo;
 }
}
```

With respect to Employee class identify where empNo and num are stored int the memeory?

Ans-

empNo and num both are stored in heap

empNo and num both are stored in stack

**empNo is stored in heap and num is stored in stack**

empNo is stored in stack and num is stored in heap

143. What will be the output of the following code?

Opt B

```
public class Test
{
 public static void main(String[] args)
 {
 int x=7;
 switch(x)
 {
 case 2:
 System.out.println("2");
 break;
 default: //line-1
 System.out.println("default");
 break;
 case 3:
 System.out.println("3");
 break;
 }
 }
}
```

Ans- default

144. Consider the following Java code

```
public class Employee
{
 private int empId;
 String empName;
}
```

If you want to access empName of Employee class in all the sub classes of Employee class in the same package as well as sub classes is in some other package; which access specifier will you use?

Ans-

Public

Private

**Protected**

Default

145. Which of the following are inline HTML elements

<i>, <h6>, <a>

Ans- <i> and <a>

146. Consider the javascript code given below. What would be the print values from line 1 and line 2 on execution?

```
<html>
<body>
 <p id="id1"></p> <!-- Line 1-->
 <p id="id2"></p> <!-- Line 2-->
 <script>
 var y=10;
 myFunction();
 document.getElementById("id1").innerHTML=y;
 document.getElementById("id2").innerHTML=window.y;
 function myFunction()
 {
 y=20;
 y=y+window.y;
 }
 </script>
</body>
</html>
```

Ans- 40 40

147. What is the output of the program?

```
public class Compute
{
 public static void main(String[] args)
 {
 int arr1[]={1,2,3,4,5};
 int arr2[]=arr1;
 int sum=0;
 for(int j=0;j<3;++j)
 sum+=(arr1[j]+arr2[j+1]);
 System.out.println(sum);
 }
}
```

Ans- 15 (20)

15

answer = only 15

148. Consider table Event(EventId, dateOfEvent) has following records

Event id	DateOfEvent
_____	_____

E1                   **12-JAN-2018**

E2

E3                   **13-JUN-2018**

**Identify the appropriate SQL statement to retrieve the eventid for which there is no date available**

Ans-

Select eventid from event where dateOfEvent IS NULL;

Select eventid from event where dateOfEvent = NULL;

Select eventid from event where dateOfEvent LIKE "NULL";

Select eventid from event where dateOfEvent IS "NULL";



**149. Consider table Department(deptId, deptname) Which of the following query is used to display the department details whose dept\_name has second letter as 'a' and second last letter as 'e'?**

Ans-

Select \* from department where deptname LIKE '\_a%e\_';

Select \* from department where deptname LIKE 'a%e\_';



Select \* from department where deptname LIKE '%a%e\_';

Select \* from department where deptname LIKE 'a%e%';

**150. Consider table Product(productId, price) Identify the appropriate SQL statement to display all the product details whose price range is 2500 and 5000 (exclusive 2500 and 5000) choose two most appropriate option**

Ans-

Select \* from product where price BETWEEN 2500 and 5000;

**Select \* from product where price>2500 and price<5000;**

Select \* from product where price>=2500 and price<=5000;

Select \* from product where price BETWEEN 2501 and 4999;



**151. What will be the output of the following Java code?**

```

public class ApplicationTester
{
 public static void main(String[] args)
 {
 for(int i=1;i<=3;i++)
 {
 if(i==2)
 {
 continue;
 }
 for(int j=1;j<=3;j++)
 {
 if(j==2)
 {
 continue;
 }
 System.out.println("GFT");
 }
 }
 }
}

```



**Ans- GFT will be displayed 4 times**

**152. Consider the table Item( ItemCode, ItemName, Price, Category). Which is the correct sql query to display minimum price for categories 'A','C'? Choose most appropriate option**

**Ans- review**

Select Category, MIN(Price) from Item where Category IN ('A','C');

Select Category, MIN(Price) from Item group by category where Category IN ('A','C');

**Select MIN(Price) from Item group by Price having Category IN ('A','C');**

**Select Category, MIN(Price) from Item where Category IN ('A','C') Group by Category;** ans=D

**153. What would be the output of the SQL statement given below?**

**SELECT TRANSLATE('aAB-Cb-abc', 'abc-','123\*') from DUAL;**

**Ans- 1AB\*C2\*123**

**154. Consider table Account(acId, acctype, balance). Identify the appropriate SQL statement to display account details in the ascending order of balance and in the descending order of accId if the balance is same. Choose most appropriate one**

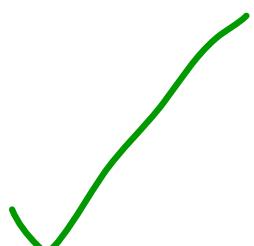
**Ans-**

**Select \* from account order by balance, accId DESC;**

**Select \* from account order by balance ASC,accId;**

**Select \* from account order by accId DESC, balance ASC;**

**Select \* from Account Order by accId DESC,balance;**



**155. Consider table Students (sid NUMBER (3), sname VARCHAR2 (10), scontact NUMBER (10)) is already created in the database. It is required to change the data type of the column “scontact” to VARCHAR2 (15). Which of the following is Correct for the above requirement?**

Note: sid column is primary key

Choose most appropriate option

Ans-

To change the data type of a column, it is important to ensure that the corresponding column is not having data for any of the record

There are no criteria to be followed. We can change the datatype of the column irrespective of the data.

Data type can be changed only for primary key column

It is not possible to change the data type of a column

**156. Identify the correct statements with respect to constraints**

(i) A table can have only one FOREIGN KEY

(ii) A column with UNIQUE constraint cannot have NULL value

Ans-

Only (i)

Only (ii)

Both (i) and (ii)

Neither (i) and (ii)

**157.What will be displayed in alert box while executing the below code**

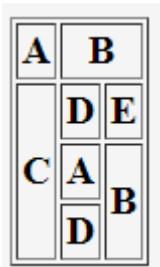
```
<html>
 <head>
 <script>
 var data1=100;
 var data2="100";
 if(data1==data2)
 {
 //Line-x
 alert(data1+data2);
 }
 else
 {
 alert('not equal');
 }
 </script>
 </head>
<body>
</body>
</html>
```

Ans- 100100

**158.** Refer the HTML code given below. How many cells will be displayed when the page is displayed on the browser?

```
<html>
<body>
 <table border="1">
 <tr><th>A</th>
 <th colspan="2">B</th>
 </tr>
 <tr><th rowspan="3">C</th>
 <th>D</th>
 <th>E</th>
 </tr>
 <tr>
 <th>A</th>
 <th rowspan="2">B</th>
 </tr>
 <tr>
 <th>D</th>
 </tr>
 </table>
</body>
</html>
```

**Ans- 8**



A	B		
C	D	E	
	A	B	
D			

**159.** Assume below code present in the HEAD tag of a HTML page.

```
<style> #myclass{background-color: lightgrey; color:blue;}</style>
```

**Identify the appropriate HTML code to USE the style given Above**

**Ans-**

```
<h1 id="myclass"> Welcome to My Homepage</h1>
<h1 style="myclass"> Welcome to My Homepage</h1>
<h1 class="myclass"> Welcome to My Homepage</h1>
<h1 id=".myclass"> Welcome to My Homepage</h1>
```

**160.** What would be the color of the text “Bengaluru” and “India” while executing the below html and css code? Assume that “Black” is the default color if there is no style applied

```
<html>
 <head>
 <style>
 p{color:red;} .c1{color:green;}
 </style>
 </head>
 <body>
 <p>Bengaluru</p>
 <p class="c1">India</p>
 </body>
</html>
```

Ans-Bengaluru – Red, India- Green

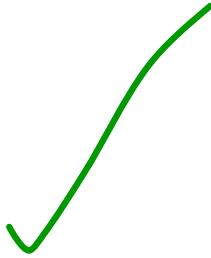
161. What would be the output of the java script code given below?

```
<html>
 <head>
 <script>
 function print()
 {
 var value1=1;
 var value2="2";
 var value3=2;
 if(value2==value3)
 {
 alert(value1+value3);
 }
 else
 {
 alert(value1+value2);
 }
 print();
 }
 </script>
 </head>
</html>
```

Ans- 12

162. Consider the java code given below. How many times will the Grandfather class constructor be called?

```
class Grandfather
{
 public Grandfather()
 {
 System.out.println("Grandfather");
 }
}
class Father extends Grandfather
{
 public Father()
 {
 System.out.println("Father");
 }
}
class Child extends Father
{
 public Child()
 {
 System.out.println("Child");
 }
}
public class MainClass
{
 public static void main(String[] args)
 {
 new Child();
 new Father();
 }
}
```



**Ans- (2 times)**

Grandfather  
Father  
Child  
Grandfather  
Father

**163. Which of the following is TRUE about the final keyword?**

- 1. Final variables cannot be modified once initialized**
- 2. Final methods can be overridden**
- 3. Final classes cannot be inherited**

**Ans-**

- Only 1  
Both 1 and 2  
Only 2  
**Both 1 and 3**

**164. Which of the following statements is/are FALSE?**

a. JVM is platform dependent

b. Byte code is platform dependent

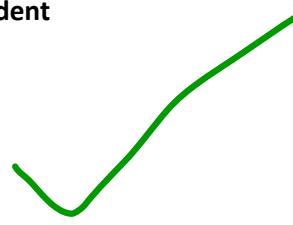
Ans-

Only a is false

Both a and b are false

**Only b is false**

Both a and b are true



165. What will be the output of the following Java code?

```
public class Test
{
 static int x=0;
 public static void main(String[] args)
 {
 for(int x=0;x<5;x++)
 {
 }
 System.out.println(x); //line 8
 }
}
```



Ans- 0

166. What will be printed in alert box in line 1

```
<!DOCTYPE html>
<html>
 <body>
 <script>
 var x=(3+3)+4+'6';
 alert(x); //line-1
 </script>
 </body>
</html>
```



Ans- 106

167. What would be the output of the javascript code given below

```
<!DOCTYPE html>
<html>
 <head>
 <script>
 var data=10;
 document.write(typeof(data));
 </script>
 </head>
</html>
```

Ans- number

168. Which of the following are Correct statement

- a. onClick() and onFocus() are DOM events
- b. In javascript a browser is represented by an implicit object called Document
- c. Java script is used server-side validation

Ans-

A and c

Only a

B and c

A and b

169. What would be the output of the java script code given below

```
<html>
 <head>
 <script>
 var data1=100;
 function test()
 {
 var data1=200;
 window.data1=data1+10;
 }
 test();
 document.write(data1);
 </script>
 </head>
 <body></body>
</html>
```

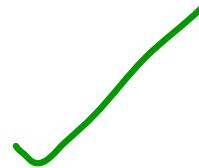
Ans- 210

170. What will be the output of the following code?

```

public class Test5
{
 int i;
 Test5()
 {
 System.out.println("hi ");
 }
 Test5(int xyz)
 {
 i=xyz;
 System.out.println(i);
 }
 public static void main(String[] args)
 {
 Test5 e1=new Test5();
 Test5 e2=new Test5(10);
 }
}

```



Ans- hi 10

171. Which code should be inserted at line #4 to get the below output – 2 4 6 8 10

```

public class ArrayTester
{
 public static void main(String[] args)
 {
 int[] evenNumbers={2,4,6,8,10};
 //Code to be inserted
 System.out.print(evenNumbers[i]+" ");
 }
}

```

Ans-

for(int i=0; i<=evenNumbers.length;i++)  
for(int i=0; i<evenNumbers.length-1;i++)  
**for(int i=0; i<evenNumbers.length;i++)**  
for(int i=0; i<evenNumbers.length-2;i++)

172. Consider table Book (bookId, bookName, copies) has following records

bookId bookName copied

bookId	bookName	copied
B1	JAVA	0
B2		4
B3	ORACLE	2



Identify the output of the given sql statement

SELECT COUNT (bookName) FROM Book WHERE copies>0;

Ans- 1

173. Consider table Employee (empId, empname, jobband). Choose the correct sql statement to retrieve all employee ids along with their job band. If job band is not assigned to an employee, then it should display 'NA' as job band (note: Data type of column jobBand is VARCHAR2)

Ans-

SELECT empId, NVL(jobband),'NA' FROM Employee;  
SELECT empId, NVL(jobband,NULL,'NA') FROM Employee;  
SELECT empId, NVL(NULL,'NA',jobband) FROM Employee;  
SELECT empId, NVL(jobband,'NA') FROM Employee;



174. Refer the following Java code

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i=1;
 while(i<=5)
 {
 if(i==2)
 {
 i++;
 continue;
 }
 if(i==3)
 {
 break;
 }
 i++;
 System.out.println("Hello ");
 }
 }
}
```



When the above code is executed how many time/times "Hello" will be printed on the console?

Ans- 1 time

175. Consider table Students(studentId,branchId). Identify the correct sql statement to retrieve the branches which has more than 3 students.

Ans-

SELECT branched FROM Students WHERE COUNT(\*)>3 GROUP BY branched;  
SELECT branched FROM Students HAVING COUNT(\*)>3;  
SELECT branched FROM Students GROUP BY studentid HAVING COUNT(\*)>3;  
SELECT branchid FROM Students GROUP BY branchid HAVING COUNT(\*)>3;



**176. With respect to the java code given below identify the relationship that exists between class account and SavingsAccount**

```
public class Account
{
 private double balance;
 private int accountNumber;
}
public SavingsAccount extends Account
{
 //some valid java code
}
```

**Ans-**

Aggregation

Composition

There is no relationship between class Account and class SavingsAccount

**Inheritance**

**177. Which of the following statement/s is/are TRUE?**

- 1. Abstract method can have body**
- 2. Abstract class cannot be instantiated**
- 3. Abstract class can have constructor**

**Ans-**

Both 1 and 2 are true

**Both 2 and 3 are true**

Both 1 and 3 are true

Only 2 is true

**178. Given the following declaration which expression returns the size of the array, assuming the array has been initialized?**

**Int[] array;**

**Ans-**

Array[].length();

Array.length();

**Array.length;**

Array[].size();

179. What will be the output of the following java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 char ch='n';
 if(ch>='a' && ch<='z')
 {
 System.out.println("Lower case letter");
 }
 else
 {
 System.out.println("Upper case letter");
 }
 }
}
```

Ans- Lower Case Letter

180. Identify how many variables/object will be in stack and heap residency?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int id=12345;
 String name=new String("Rama");
 double salary=55555.55;
 }
}
```

Ans-

3 in stack 1 in heap

2 in stack 2 in heap

4 in stack 0 in heap

0 in stack 4 in heap

181. Refer to the below code and predict the output

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 String x=new String("xyz");
 String y="abc";
 x=x+y;
 }
}
```

How many String objects are created in the above code?

Ans-

- 2
- 3
- 1
- 4



182. Consider the Employee class given below

```
public class Employee
{
 private int empno;
 private double salary;
 public void computeSalary()
 {
 // code for compute salary
 }
}
```

If you do not want all the subclasses of Employee class to override the computeSalary() method, what modification will you do for computeSalary() method?

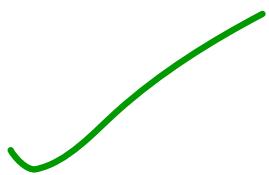
Ans-

- Make computeSalary() method as abstract
- Make computeSalary() method as final
- Make computeSalary() method as static



183. Choose most appropriate option

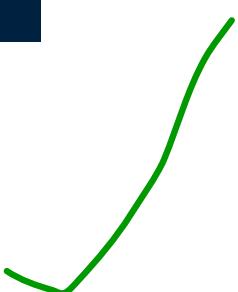
```
//line 1 to line 32 code no image
import pack1.A;
public class B extends A
{
 public B()
 {
 //line 1
 }
 void display()
 {
 }
}
package pack2;
import pack1.A;
public class MyMain
{
 public static void main(String[] args)
 {
 A obj1=new B();
 obj1.setI(30);
 obj1.setJ(40);
 A obj2=obj1;
 obj2.setI(50);
 obj1.disp();
 obj2.disp();
 }
}
```



Ans- 50 40 50 40

184. Identify the relationship that exists between class Student and class Faculty.

```
public class Student
{
 private String name;
 private int rollNumber;
 //getter setter methods
}
public class Faculty
{
 private String name;
 private Student student;
 public void setStudent(Student student)
 {
 this.student=student;
 }
}
```



Ans-

Composition

Inheritance

No relationship

**Aggregation**

185. Which is the correct CSS code to display the text "Accenture" in light grey background?

Choose most appropriate option

Ans-

<h2 style = "background-color : lightgrey"> Accenture </h2>

<h2 background-color : lightgrey> Accenture </h2>

<h2 style = "background-color(lightgrey)"> Accenture </h2>

<h2 style = "background-color = lightgrey"> Accenture </h2>

186. Which of the following are the CSS selectors? 

a. Element selector

b. form selector

c. class selector

Ans-

A and B

A and b

**A and c** its A and C

B and c

A, b and c

187. Consider the java code given below and determine how many references are used in the java code. Assume the student is a valid java class

```
public class StudentTester
{
 public static void main(String[] args)
 {
 Student s1=new Student();
 Student s2=new Student();
 Student s3=s1;
 Student s4=s1;
 }
}
```

Ans-

**2 objects and 4 references**

4 objects and 2 references

2 objects and 2 references

3 objects and 4 references

188. Predict the output of the following code

```
package com.accenture.demo;
public class WhileLoopSample
{
 public static void main(String[] args)
 {
 int number1=100;
 while(number1>200); //Line-5
 {
 System.out.println("welcome");
 }
 System.out.println("Hello");
 }
}
```

Ans- Welcome hello

189. Predict the output

```
public abstract class Employee
{
 public abstract Employee()
 {
 System.out.print(" 1 ");
 }
}
public class ProjectManager extends Employee
{
 public ProjectManager()
 {
 System.out.print(" 2 ");
 }
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 Employee emp=new ProjectManager();
 }
}
```

Ans-

Compilation error: illegal modifier for the constructor in type Employee

190. What would be the output of the below java script code?

```
<html>
 <body>
 <script>
 var x=5;
 var d=(x != "5");
 document.write(d+"--");
 d=(x==="5");
 document.write(d);
 </script>
 </body>
</html>
```

Ans- false—false

191. You have three packages p1,p2,p3 what is the expected output of compiling and running file tester in p3 package?

```
package p1;
public class Account
{
 protected Account(){ //line 3
 System.out.println("Account");
 }
}
package p2;
import p1.Account;
public class CurrentAccount extends Account
{
 public CurrentAccount()
 {
 System.out.println("CurrentAccount");
 }
}
package p3;
import p1.Account;
import p2.CurrentAccount; //line3
public class Tester
{
 public static void main(String[] args)
 {
 Account c=new Account(); //line 6
 CurrentAccount ca=new CurrentAccount();
 }
}
```

Ans-

Account CurrentAccount

Compilation error at line6 in package p3 Constructor 'Account' is not visible

Compilation error at line3 in package p3 cannot import CurrentAccount class

192. What will be the output of the following java code

```
public abstract class Employee
{
 protected double salary;
 public Employee(double salary)
 {
 this.salary=salary;
 }
 public abstract void computeSalary();
 public double getSalary()
 {
 return this.salary;
 }
}
public class ProjectManager extends Employee
{
 private int teamSize;
 public ProjectManager(double salary,int teamSize)
 {
 //Line-1
 this.salary=salary;
 this.teamSize=teamSize;
 }
 public void computeSalary()
 {
 System.out.println(this.salary);
 }
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 Employee emp=new ProjectManager(10000,0,5);
 emp.computeSalary();
 }
}
```

Ans-

10000

0

Null

**Compilation error at Line-1 : Implicit super constructor: Employee() is undefined Must explicitly invoke another constructor**

193. Refer to the below code and predict the output

```

interface A
{
 public void method1();
}
class Demo implements A
{
 public void method1()
 {
 System.out.println("1");
 }
}
class ParentTest extends Demo
{
 public void method1()
 {
 System.out.println("2");
 }
}
public class Test extends ParentTest
{
 public static void main(String[] args)
 {
 A a=new ParentTest();
 a.method1();
 }
}

```

Ans- 2

194. Consider table Item(itemId, category, unitprice). Identify the appropriate SQL statement to display the category and count of items in each category in the ascending order of item count. It should display the item details only if the count of item is greater than 1

Ans-

SELECT category, count(itemId) FROM item WHERE Count(itemId)>1 GROUP BY category ORDER BY COUNT (itemId);

**SELECT category, count(itemId) FROM item GROUP BY category HAVING Count(itemId)>1 ORDER BY COUNT(itemId);**

SELECT category, count(itemId) FROM item HAVING Count(itemId)>1 ORDER BY COUNT(itemId);

195. Consider table Item(itemId, category, unitprice). Identify the appropriate SQL statement to display Item id, and discount in the ascending order of discount

Ans-

Select itemId, discount=unitprice\*0.1 from Item order by discount;

**Select itemId, unitprice\*0.1 as discount from Item order by discount;**

Select itemId, discount from item order by discount;

Select itemId, unitprice\*0.1 as discount from item order by itemId;

**196. You are suppose to create a table “ExamResult” with the following descripton. studentId NUMBER(4), courseid VARCHAR(10), mark NUMBER(3). There should not be duplicate combination of studentId, and courseid in any record. Identify the correct DDL statement to create ExamResult table**

Ans-

`CREATE TABLE ExamResult( studentId NUMBER(4), courseid VARCHAR2(10), mark NUMBER(3),  
CONSTRAINT er_pk PRIMARY KEY(studentId, courseid));`

**197. Kevin is a java programmer. He writes a Java code and compiles his code. What type of file Kevin will get as a result of compiling his Java code?**

Ans-

Java file

.exe file

**.class file**

Obj file

**198. Ram is a Developer; he receives a defect list from the testing team for the code which he developed. He fixes the defects and assigns it back to the test manager/tester. What should be the status of the defect now?**

Ans-

Open

**Fixed**

Closed

New

**199. Software Configuration Management, \_\_\_\_\_ concept is used to control the changes**

Ans-

**Baseline**

Process

Procedure

Audit

**200. Consider the given array:**

 E A F B D C

E A F B D C

A E F B D C

A E B F D C

A E B D F C

A E B D C F.... so on

After all consecutive iterations, the array is sorted

Which sorting technique compares the adjacent data elements and swaps each pair of elements?

Ans-

Quick sort

Bubble sort

Merge sort

Heap sort

 201. Difficult Unit test performed on the post office savings schemes module. Assume that the minimum deposit amount is Rs. 1000 and the maximum deposit amount is Rs. 10000. Based on the Boundary Value Analysis choose the correct test cases to perform this unit test.

Ans-

999,1000,10000,10001

800,6000,15000

999,1001,5000,9999,10001

1000,5000,10000

 202. John is a poker card player in a casino. The way he arranges his cards as he picks them up one by one is a real time example of which sorting technique?

Ans-

Bubble sort

Merge sort

Insertion sort

Selection sort

 203. In many situations, it would be necessary to make a decision before arriving at a conclusion or to go on to the next step of processing. Which of the following suits the given description?

Ans-

Conditional statement

All of the options

Iterative statement

Sequential statement

204. which of the following program has the lowest run-time complexity?

Ans-

Tower of Hanoi

**B/ c but mostly c**

Sum of n Digits

**Find even or odd**

answer=even add

Fibonacci series

205. Manual execution of steps in an algorithm is called as \_\_\_\_\_.

Ans-

Dry run

Flowchart

Quick run

Pseudocode

206. In case of Banking application, customers are the only stakeholders State true or false

Ans-0      **false**

207. Dave has to store data in a nonlinear data type to represent hierarchical relationship between elements. Which data structure should he use for it?

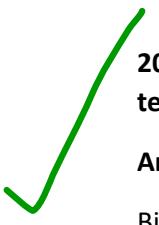
Ans-

Linked List

Stack

Queue

**Tree**

 208. The names in a telephone directory were not in order. It took a long time to look for the telephone number of a particular person. Which algorithm would be the best to resolve this issue.

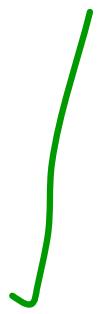
Ans-

Binary Search

Linear Search

Deletion Algorithm

**Sorting Algorithm**

 209. Roshan is a beginner in the learning path of Data Structure. Assume a singly linked list of length  $n$  is given. In a worst-case scenario, he wants to find out the maximum number of computations required to search for a given element. Help Roshan to find out the best option

Ans-

$\log 2 n$

$N$

$\log 2n+1$

$\log 2n-1$

 210. A Professor class uses the Scheduler class to display the scheduled classes of the professor for a week. What will be the relationship between the Professor and the Schedule class?

Ans-

Inheritance

Aggregation

Composition

Dependency

 211. A system administrator needs to identify different types of files in the UNIX system. Help by matching the correct symbols used to identify the file type

1. - 2. I 3.b 4.c

With

a. Regular file b. Link file c. Block device file d. Character device file

Ans-

1-A, 2-B, 3-C, 4-D

1-D, 2-A, 3-B, 4-C

1-D, 2-B, 3-C, 4-A

1-D, 2-C, 3-B, 4-A

**212. Choose the executable query to display contact\_details by concatenating mail\_id and the phone number of employees (multiple answers possible)**

Example: table name- employee

Mail-id                  phone\_number

123@gmail.com    9755367343

Sample output: 123@gmail.com,9755367343

B & C



answer = only c opt

Ans-

SELECT concat(mail\_id, phone\_number) as contact\_details FROM employee;

SELECT mail\_id, (','), phone\_number as contact\_details FROM employee;

**SELECT concat(concat(mail\_id,','),phone\_number) as contact\_details FROM employee;**

SELECT || mail\_id || ',' || phone\_number as contact\_details FROM employee;

**213. Zara marketing company wants to keep track of the attendance of its employees in all of their branches so that the salary calculation can be done from the Central office located at Bangalore. The head office has delegated the work to the branch offices so that they can keep track of the attendance in any manner, be it manual or biometric or swipe cards etc.**

For the above scenario, identify the correct statements from the given options.

Ans-

**Head office is an abstract class**

Branch office is an abstract class

Head office is a concrete class

**Branch office is a concrete class**

Both head office and branch office are abstract classes

**214. Which of the following statements are true in regard to the object-oriented programming technique?**

1. object is a blueprint or template for a class
2. class is a blueprint or template for an object
3. object is an instance of a class
4. class is an instance of an object

**Ans-**

1 2 only

1 4 only

**2 3 only**

3 4 only

**215.** Assume a class Student with the attributes id, name, grade and collegeName. The value for collegeName is “Trindy” which is same for all the objects of the Student class. What type of variable is collegeName?

**Ans-**

**Static variable**

Instance variable possessed by each object

Local variable for the class

Public variable

**216.** Predict the output

```
import java.util.ArrayList;
import java.util.List;
public class TestUserMain
{
 public static void main(String[] args)
 {
 List<Number> l1=new ArrayList<Number>();
 l1.add(5);
 l1.add(5);
 System.out.println(sum(l1));
 }
 public static double sum(List<Number>l)
 {
 double sum=0;
 for(Number i:l)
 sum+=i.doubleValue();
 return sum;
 }
}
```

**Ans- 10**

**217.** What does an action flow represents in an Activity Diagram?

**Ans-**

Transition from one action state to another

Passing of data from activity to another

Trigger events

Flow of priority flows

218. Which of these is used to prevent the error 'ORA-00937' not a single group group function?

Ans-

**Use group by clause**

Use where clause

Use order by clause

Use having clause

219. Which key can be used to change the mode from input mode to command mode?

Ans-

Esc

Esc + i

Esc + a

Esc + l

220. Match the following

1. Tables 2. Index 3. Views 4. Synonyms 5. Sequences

a. store all the data in database

b. indicate where data is stored in another table

c. modify the user's view of data to only certain rows and columns in a table

d. definable label for a table

e. generate unique integers that can be assigned primary keys of tables

Ans-

1-A, 2-B, 3-C, 4-D, 5-E

1-E, 2-A, 3-B, 4-C, 5-D

1-D, 2-E, 3-C, 4-A, 5-B

1-D, 2-C, 3-E, 4-A, 5-B

 **221.** Choose an DDL command which delete all rows from the table and where the deleted data cannot be rolled back (hint: Table structure should not get deleted)?

Ans-

DROP

TRUNCATE

DELETE

None of the above

**222.** Match the following data command with the correct output

Consider today's date is 22<sup>nd</sup> April 2020

1. date +%b    2. date +%D    3. date +%F    4. date +%H

 With

- a. Apr    b. 04/22/20    c. 20-04-22    d.05

Ans-

1-A, 2-B, 3-C, 4-D

1-D, 2-A, 3-B, 4-C

1-D, 2-B, 3-C, 4-A

1-D, 2-C, 3-B, 4-A

**223.** predict the output for the given pseudocode snippet

SET count = 1

WHILE count less than or equal to 5

    Print "Hello world"

    Count = count+1

END WHILE

 Ans-

Prints "Hello world" 5 times

Prints "Hello world" 6 times

Loop goes on infinitely

Prints "Hello world" 4 times

**224. Predict the output**

```
import java.util.ArrayList;
import java.util.List;
public class TestUserMain
{
 public static void main(String[] args)
 {
 List<Double> l1=new ArrayList<Double>();
 for(Double d: l1)
 {
 System.out.print(d);
 l1.add(54.98);
 }
 l1.add(29.32);
 l1.add(45.71);
 l1.add(34d);
 System.out.println(l1.size());
 }
}
```



Ans- 3

**225. Match the metacharacters with the respective types**

1. ?"[]![!] 2. >>><<< 3. ,() & && || 4. \$1 to \$9

- a. Positional parameters b. Filename substitution c. I/O Redirection d. Process Execution

Ans-

1-A, 2-B, 3-C, 4-D

1-D, 2-A, 3-B, 4-C

1-D, 2-B, 3-C, 4-A

**1-D, 2-C, 3-B, 4-A**

**226. the standard output of one program can be redirected as standard input to another program using \_\_\_\_\_**

Ans-

|  
||

only A answer |

>

<

**227. Consider the query**

Start program

**DELETE FROM departments WHERE department\_id=50;**

**ERROR 1: ORA-02292: integrity constraint (HR.EMP\_DEPT\_FK) violated – child record found**

End program.

What does the error convey?

Ans-

You cannot delete a row, if the row's primary key column holds a input that is present as a foreign key in another table

You cannot delete a row when it has column level constraints

You cannot delete a row when it has table level constraints

None of the options

**228. Which of the following**

- a. int number();
- b. float average
- c. double[] marks;
- d. counter int[];

Ans-

Which of the following statements are valid array declaration?

- (A) int number();
- (B) float average[];
- (C) double[] marks;
- (D) counter int[];

Ans-(B) & (C)

**229. Consider the following code snippet and predict the output**

```
public interface I
{
 int x; //Line - 1
 public void display();
}
public class C implements I //Line- 2
{
 public void display()
 {
 System.out.println("Hello");
 }
}
public class TestInterface
{
 public static void main(String[] args)
 {
 C obj=new C(); //Line-3
 obj.display();
 }
}
```

Ans- Compilation error at Line-1 : The blank final field 'x' may not have been initialized

**230. What will be the output of the following Java code**

```

//Trainee.java
public class Trainee
{
 private static int traineeCount;
 static{
 traineeCount=1000;
 }
 public Trainee()
 {
 traineeCount++;
 }
 public static void getTraineeCount()
 {
 System.out.println(traineeCount);
 }
}

//TraineeTester.java

public class TraineeTester
{
 public static void main(String[] args)
 {
 Trainee t1 = new Trainee();
 Trainee t2 = new Trainee();
 Trainee t3 = new Trainee();
 }
}

```

If getTraineeCount() is called  
answer 1003.  
Else no output as per the question

Just see whether that methods was  
called in question. Of yes, then 1003.  
Else no output.

**Ans- 1003**

### 231. What is the output of the following Java code

```

class Employee
{
 private int employeeId;
 private float basicPay;
 public void setEmployeeId(int employeeId)
 {
 this.employeeId = employeeId;
 }
 public void setBasicPay(float basicPay)
 {
 this.basicPay=basicPay;
 }
}

public class EmployeeTester
{
 public static void main(String[] args)
 {
 Employee emp = new Employee();
 emp.setEmployeeId(1001);
 emp.setBasicPay(15000.0f);
 System.out.println("Employee ID: "+employeeId);
 System.out.println("Basic Pay: "+emp.basicPay);
 }
}

```

**Ans- Compilation error**

### 232. Predict the output

```

abstract class Test1
{
 public Test1()
 {
 System.out.println("ONE");
 }
 abstract void abstractMethod();
}
class Test2 extends Test1
{
 public Test2()
 {
 System.out.println("TWO");
 }
 void abstractMethod()
 {
 System.out.println("THREE");
 }
}
public class TestClass
{
 public static void main(String args[])
 {
 Test1 x = new Test2();
 x.abstractMethod();
 }
}

```

Ans- ONE TWO THREE

233. Consider the table Product (pid, pname, pcost) Identify the appropriate SQL statement to rename the table to ProductsInfo.

Opt D

Ans-

ALTER TABLE Products RENAME TO ProductInfo;

234. Consider the table Account (accId, balance, accountType). The following constraints to be enforced

1. AccId should be unique and NOT NULL

2. Account type should be 'C' or 'S'. Balance should be greater than 1000 and 3000 for account type 'C' and 'S' respectively.

Identify the CORRECT SQL statement to create the Account table with the above mentioned constraints.

Ans-

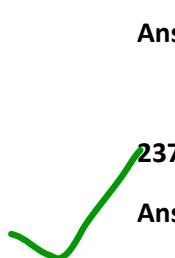
CREATE TABLE account (accid NUMBER (2) CONSTRAINT acc\_pk PRIMARY KEY, balance NUMBER (4), accountType CHAR , CONSTRAINT acc\_chk CHECK (accountType='S' AND balance>3000) OR (accountType='C' AND balance>1000));

 235. Which of the following is used to reference data that can act as an abbreviation or can be found at an external location?

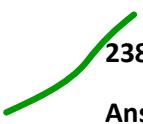
Ans- ENTITY

236. Display the contents present inside <h1> tag in uppercase. Which of the following options will suit the requirement?

Ans- h1{text-transform: uppercase;}

 237. \_\_\_\_\_ is an unparsed character data that can't be parsed by the parser.

Ans- CDATA

 238. In a CSS script, each property of an element is separated by a \_\_\_\_\_

Ans – semicolon (;)

239. In CSS script, which of the following style is used to print a table with double border?

Ans- border-style: double;

 240. An external Java script file can be included in an HTML code using the \_\_\_\_\_ attribute in a script tag

Ans – src

241. Predict the output

```
import java.util.ArrayList;
import java.util.List;
public class TestUserMain
{
 public static void main(String[] args)
 {
 List<Integer> l1 = new ArrayList<Integer>();
 l1.add(10);
 l1.add(20);
 l1.remove(10);
 l1.add(10);
 System.out.println(l1.size());
 }
}
```

Ans- Run time exception

242. Which of the following tag is not supported in HTML5 but used in HTML4?

Ans- ~~<CENTER>~~  
not hr

243. which OOP principle is the ranking or ordering of abstraction

Ans- hierarchy

244. The object which is used to fetch the input from an element for processing is \_\_\_\_\_

Ans- document  
Form  
navigate

245. Predict the output

```
import java.util.LinkedHashSet;
import java.util.Set;
public class TestUserMain
{
 public static void main(String[] args)
 {
 Set s1= new LinkedHashSet();
 s1.add("One");
 s1.add(1);
 s1.add(null);
 s1.add(3.4);
 s1.add("null");
 System.out.println(s1);
 }
}
```

Ans- [One, 1, null, 3.4, null]

246. in which of the following statements can sub queries used?

Ans –  
**SELECT statement and UPDATE statement**  
Alter statement  
**DELETE statement**  
All of the above

247. Match the appropriate options to move cursors in the vi editor

1. I 2. k 3. h 4. b

With

- a. move cursor down one line
- b. move cursor up one line
- c. move cursor left one line
- d. move cursor to beginning of next word

Ans-

1-A, 2-B, 3-C, 4-D

248. For a logically cohesive module, there are some activities to be experimented. These activities are preferred from inside the module itself

Is the above given statement true? If not, choose the correct option to make it true.

Ans-

the activities are selected from outside the module

the activities are selected in a random manner

the activities are selected in a sorted manner

the given statement is true

249. Which of the given pseudocodes finds the perimeter (circumference) of the circle radius

Ans-

BEGIN

NUMBER radius, circumference

INPUT radius

Circumference=2\*3.14\*radius

OUTPUT circumference

END

250. which of the given statements are true with respect to hierarchy principle of OOP

Ans-

Generalization represents "IS A" relationship between classes

**251. Predict the output**

```
import java.util.Map;
import java.util.TreeMap;
public class TestUserMain
{
 public static void main(String[] args)
 {
 Map<String, String> m1= new TreeMap<String, String>();
 m1.put("null", null);
 m1.put(null, "Raju");
 System.out.println(m1);
 }
}
```

Ans- Run time exception

**252. Predict the output**

```
import java.util.Arrays;
import java.util.Comparator;
class Test implements Comparator<Integer>
{
 public int compare(Integer o1, Integer o2)
 {
 return o1.compareTo(o2);
 }
}
public class TestUserMain
{
 public static void main(String[] args)
 {
 Integer intArr[]={3,8,1};
 Arrays.sort(intArr,new Test());
 for(int i:intArr)
 System.out.print(i+" ");
 }
}
```

Ans – 1 3 8

**253. Predict the output**

Which of the following statement has to be uncommented in order to compile the above code without any errors?



```
import java.util.*;
class Employee
{
}
class TempEmp extends Employee
{
}
class DayEmp extends TempEmp
{
}
public class TestMain
{
 ArrayList<TempEmp> getsalary()
 {
 //return new ArrayList<TempEmp>();
 //return new ArrayList<DayEmp>();
 //return new ArrayList<Object>();
 //return new ArrayList<Employee>();
 }
}
```

Ans-

Return new ArrayList<TempEmp>();

254. which of the following is a well formed XML document?

Ans-

Startprogram

```
<employee>
 <empname>ravi</empname>
 <address location="north">nehrunagar</laddress>
 <phone>23251545</phone>
</employee>
```

Endprogram

255. Which of the following java script code helps to change the content of the anchor tag?

Startprogram

```
<script>
function func(){
// insert the appropriate code from the given options
}
```

```
 }
 </script>
 click here
```

End program

Opt D

Ans=

```
Document.getElementById("hid1").innerHTML="clicked"
```

256. which of the following jQuery script is valid to hide the first occurred paragraph with the class name as hideMe

Ans – review

```
$("#p.hideMe:hide(first)");
```

257. consider the table Project (ProjectId, ProjectName, ProjectType) is created without any constraint and has the records as per attachment

ProjectId	ProjectName	ProjectType
P1	FIN	A1
P2	SALE	A2
P1	FIN	A1

Identify the ALTER statement which executes successfully on project table.

Ans-

```
ALTER TABLE Project ADD CONSTRAINT proj_pk PRIMARY KEY(ProjectId);
```

```
ALTER TABLE Project ADD CONSTRAINT proj_uk UNIQUE(ProjectName);
```

```
ALTER TABLE Project ADD CONSTRAINT proj_no NOT NULL(ProjectType);
```

```
ALTER TABLE Project ADD CONSTRAINT proj_chk CHECK(ProjectType IN("A1","A2"));
```

258. Consider table Player(PlayerId, PlayerName, Rating) has records as shown below.

PlayerId	PlayerName	Rating
P1	Sachin	5
P2	ABD	4.3
P3	Virat	4.6
P4	Watson	4.3
P5	Butler	4.6

Identify the appropriate SQL statement to display the player details whose rating is equal to Virat's rating or Watson's rating (note: Result can have Virat's and Watson's record as well)

Ans-

SELECT \* FROM Player where Rating IN (SELECT Rating FROM Player WHERE PlayerName = "Virat" or PlayerName= "Watson");

259. What access specifier can be used for computeSalary() method in Employee class so that code in Line-1 will execute without any error?

```
package myPackage;
public class Employee
{
 private int empNo;
 private double salary;
 //getter and setter methods
 void computeSalary()
 {
 //logic to compute salary
 }
}

package myPackage;
public class PackageTester
{
 public static void main(String[] args)
 {
 Employee emp = new Employee();
 //valid Java code
 emp.computeSalary(); //Line-1
 }
}
```

Ans- Either public or protected or default

260. Consider the tables given below

Customer (customerId, customerName)

Book (bookId, bookName)

Purchase (purchaseId, bookId, customerId)

bookId and customerId in purchase table are foreign keys referring to Book and Customer book tables respectively. Which is the CORRECT SQL statement to retrieve name and book name for all books purchased by customers?

Ans-

SELECT c.customerName, b.bookName FROM customer c INNER JOIN purchase p ON c.customerId=p.customerId INNER JOIN book b ON b.bookId=p.bookId;

261. Which command can be used in vi editor to delete 10 lines?

Ans – 10 dd

 262. What operator is used to present the error “ORA-01427: single row sub query returns more than one row?

Ans – Use the IN operator

 263. a company wants to create a Leave Management System software for its employees. Find the classes for Employee Leave Management software. The company wants to maintain its employee's leave information.

Ans- (some chose company also)

Employee      A B C  
Leave  
Company  
Project

 264. Choose an SQL query to find name of all the employees whose name contain the word “kumar” example kumaran, arun kumar (kumar will be at any place)

Ans-

`SELECT * FROM employees where lower(name) like "%kumar%";`

 265. the element to specify a list of predefined options for input controls is

Ans- <datalist>

266. Given the following XML document

```
<studentname>
 <first>raveena</first>
 <last>dantan</last>
</studentname>
```



What is a correct schema structure for it?

Ans-

OptA

Startprogram

```
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema">
 <xsd:element name="studentname">
 <xsd:complexType>
```

```
<xsd:sequence>
```

```
 <xsd:element ref="first />
```

```
 <xsd:element ref="last />
```

```
</xsd:sequence>
```

```
</xsd:complexType>
```

```
</xsd:element>
```

```
</xsd:schema>
```

```
Endprogram
```

### 267. Predict the output

```
import java.util.ArrayList;
public class TestUserMain
{
 public static void main(String[] args)
 {
 ArrayList<String> a1=new ArrayList<String>(5);
 a1.add("Ten");
 a1.add("Twenty");
 a1.add(4,"Fifty");
 a1.add("Thirty");
 a1.add("Fourty");

 System.out.println(a1);
 }
}
```

Ans- IndexOutOfBoundsException

### 268. Predict the output

```
import java.util.Iterator;
import java.util.Set;
import java.util.TreeSet;
public class TestUserMain
{
 public static void main(String[] args)
 {
 Set s1=new TreeSet();
 s1.add(10);
 s1.add("20");
 s1.add(30);

 Iterator t1=new Iterator();
 while(t1.hasNext())
 System.out.println(t1.next()+" ");
 }
}
```

Ans – CTE

269. Consider the following java code

```
public class SoftwareEngineer
{
 private String name;
 private int empId;
 public SoftwareEngineer(string name,int EmpId)
 {
 this.empId=empId;
 this.name=name;
 }
}
```

Opt A

Identify the CORRECT Java code which will help you to create an instance of Software Engineer

Ans- SoftwareEngineer engineer = new SoftwareEngineer("Dave",1007);

270. Given two executable queries

- a.) select name, address from users where user\_id not in(select user\_id from bookingdetails where lower(name)='city union bank') order by name;
- b.) select name, address from users where user\_id in (select user\_id from bookingdetails where lower(name) != "city union bank") order by name;

will both queries produce the same output?

Ans- True

271. State True or False

A sequence diagram can represent object interactions arranged in a time sequence. It will represent only a sequence of the flow but aspects like branching, looping cannot be represented in the sequence diagram

Ans- False

272. Mrs, Nancy has a Pan Card

What is the cardinality relationship between the entities: Person and Pan card

Ans- One to One

273. In the City Library when a member needs to return a book, the librarian will collect the penalty from the member if the book is returned later than the due date. When this is represented in a use case diagram, what is the relationship between the use cases "Return Book" and "Calculate Penalty"?

Ans- extend

Include

Exclude

Generalization

realization

**274. which of the following statements are true with respect to “a query with join operation”?**

Ans-

You must refer to all the columns from both tables with ....

**You must refer to the columns that are common to 2 tab...**

**You must have the column common to 2 tables in the....**

You can sort your result by a column which is not p.....

**275. which of these have higher precedence: the AND operator or the NOT operator?**

Ans-

AND

**NOT**

Both have equal precedence

None of the above

**276. Which of the following statements is true with respect to given Oracle query**

Start program

Create table AQI\_DELHI\_1 as Select \* from AQI\_DELHI;

End program

Ans-

Table “AQI\_DELHI\_1” is created with same structure as that of “AQI\_DELHI” table – with AQI\_DELHI table’s data

The query is erroneous

Table “AQI\_DELHI\_1” is created with same structure as that of “AQI\_DELHI” table – without AQI\_DELHI table’s data

 277. Which jQuery is syntactically wrong?

Ans-

```
<script>$(document).ready(function(){$("#flow").click(function
$("#box").slideDown("slow");});});</script>
```

 278. what is the syntax for representing the minimum of an element in XMLSchema?

Ans-

```
<xsd:element ref="note" minOccurs="0" />

<xsd:element ref="note" mins="0" />

<xsd:elements ref="note" minOccur="0" />

<xsd:elements ref="note" minOccur="0" />
```

 279. what is a lifeline in a Sequence Diagram?

Ans-

Objects's life time

Actor's life time

System's life time

Modelling life time

 280. what is the use of a DTD in XML development?

Ans-

It is required for validating XML documents

For displaying a particular section of XML code

For avoiding name collisions

For giving more control over structure and content of XML document

 281. Consider the given problem statement

You have to input 100 numbers and find the sum of the 100 numbers and display the process of the sum.

Identify which of the given pseudo code snippets would achieve the desired result.

Ans- (pls understand I'm not gonna type all snippets :D) All of the option

ALL OF ABOVE  
options are not given here

**282. Predict the output**

```
import java.util.Map;
import java.util.TreeMap;
public class TestUserMain
{
 public static void main(String args[])
 {
 Map<String, String> m1=new TreeMap<String, String>();
 m1.put(new String ("map"), "IDB1000");
 m1.put("Map", "Idb1001");
 System.out.println(m1);
 }
}
```

Ans- (Map=IDIB1001,map=IDIB1000)

Arumalla

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Test Taken on: January 31, 2019 02:36:16 PM IST

Finish State: Normal

### Registration Details

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### Overall Summary

#### MARKS SCORED

	Score	Percentile	Percentage
Section #1	42 / 50	89	84
Total	42 / 50	89	84

Percentile is among 1473 candidate(s) who've taken this test.

#### SUMMARY OF ATTEMPTS

**8 Incorrect  
(Scored 0/8)****42 Correct  
(Scored 42/42)**

#### TIME TAKEN

0	44
hr	min

Available time: 1 hr 20 min

#### TOTAL QUESTIONS

**50**

## Question-wise Details

### Section #1

**Question 1:**

Time: 21 Sec

Marks: 1/ 1

Which of the following statement(s) is/are TRUE?

- 1) JavaScript is case sensitive
- 2) JavaScript can be placed only in head tag
- 3) JavaScript can be placed both in head tag and body tag
- 4) JavaScript is used for client side validations

Options	Response	Answer
3 and 4 only		
1,3 and 4 only	✓	✓
2,3 and 4 only		
1,2,3 and 4		

**Question 2:**

Time: 17 Sec

Marks: 1/ 1

Refer the Incomplete JavaScript code given below:

```
<script>

var gVar='This is global value';

function aFun(){

 var gVar='Local Data1';

 //Line1

}

</script>

<button onclick='aFun()'>Click</button>
```

Identify the CORRECT option which if placed at Line1 will display the alert message 'This is global value'

Options	Response	Answer
alert(gVar)		
alert(global.gVar)		
alert(document.gVar)		
alert(window.gVar)	✓	✓

**Question 3:**

Time: 56 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
public class ApplicationTester {
 public static void main(String[] args){
 int data1=10, data2=10;

 if (data1 > data2){
 System.out.println("1");
 } else {
 System.out.println("2");
 }
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
1		
2	✓	✓
The code will display both 1 and 2		
Compilation error: Invalid use of 'if'		

---

**Question 4:**

Time: 59 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
class Person {
 public void work() {
 System.out.println("Person Work's");
 }
}

public class Employee extends Person {
 public void work() {
 System.out.println("Employee Work's");
 }
 public static void main(String[] args) {
 Employee employee=new Employee();
 Person p=employee;
 p.work();
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
Employee Work's		✓
Person Work's Employee Work's		
Compilation Error : work method in Employee cannot have same signature as that of it's parent Person	✓	
Person Work's		

---

**Question 5:****Time: 2 Min 4 Sec****Marks: 0/ 1**

What will be the output of the following Java code?

```
public class ApplicationTester {
 public static void main(String[] args) {
 char letterArray[]={‘a’,‘A’,‘h’,‘h’,‘m’,‘m’};
 for(int index=0;index<letterArray.length;index++){
 if(letterArray[index] == letterArray[index+1]){
 break;
 }
 System.out.print(index + " ");
 }
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
0 1 2	✓	
0 1		✓
0 1 2 3		
0 1 2 3 4		

---

**Question 6:****Time: 56 Sec****Marks: 0/ 1**

What will be the output of the following Java code?

```
interface A{
 void display(); // Line X
}

class B implements A{
 void display(){ // Line Y
 System.out.println("B");
 }
}

public class Demo{
 public static void main(String[] args) {
 A a=new B(); // Line Z
 a.display();
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error at Line Z: Invalid reference type		
B	✓	
Compilation error at Line X: missing 'abstract' keyword		
Compilation error at Line Y: cannot reduce the visibility of the method		✓

**Question 7:**

Time: 7 Sec

Marks: 1 / 1

An end to end testing of application by client users is known as -----

Choose the most appropriate option.

Options	Response	Answer
Acceptance Testing	✓	✓
Unit Testing		
Product Testing		
Performance Testing		

**Question 8:**
**Time: 31 Sec**
**Marks: 1/ 1**

Consider the Java code given below:

```
public class Student{
 //Attributes of Student class
 //getter and setter methods
}
public class ApplicationTester{
 public static void main(String[] args){
 Student stu1=new Student();
 Student stu2=new Student(12345,"Rama");
 Student stu3;
 stu3=stu1;
 }
}
```

With respect to the above code, how many Student objects and references are created in main method?

Choose the most appropriate option.

Options	Response	Answer
3 Objects, 3 References		
3 Objects , 2 References		
2 Objects, 3 References	✓	✓
2 Objects, 2 References		

**Question 9:**
**Time: 25 Sec**
**Marks: 1/ 1**

Which of the following is/are TRUE with respect to method overloading?

- a. Method name should be the same
- b. Return type of the methods should be the same
- c. Number of parameter and sequence of parameter must be different

Choose the most appropriate option.

Options	Response	Answer
Both (b) and (c ) are TRUE		
Only (a) is TRUE		
Both (a) and (b) are TRUE		
Both (a) and (c ) are TRUE	✓	✓

---

**Question 10:****Time: 14 Sec****Marks: 1/ 1**

What are the benefits of ADM?

- (1) Project standardization and customization
- (2) Common project management framework

Choose the most appropriate option.

Options	Response	Answer
Both (1) and (2)	✓	✓
Only (1)		
Neither (1) Nor (2)		
Only (2)		

---

**Question 11:****Time: 2 Min 21 Sec****Marks: 0/ 1**

Assume that table **Event** is created using the below script.

```
CREATE TABLE Event(

EventId VARCHAR2(5) CONSTRAINT Event_PK PRIMARY KEY,

EventName VARCHAR2(20) CONSTRAINT Event_NN NOT NULL,

StageNumber NUMBER(2) DEFAULT 1,

NumberOfParticipants NUMBER(2));
```

Identify the correct insert statements which can be applied on Event table

- a) INSERT INTO Event VALUES('E1','Dance',NULL,2);
- b) INSERT INTO Event VALUES('E1','Speech',1);
- c) INSERT INTO Event(EventId,EventName) VALUES('E3','Drama');
- d) INSERT INTO Event(EventId,StageNumber,NumberOfParticipants) VALUES('E4',4,7)

Options	Response	Answer
a and c		✓
a and d		
a and b		
b and c	✓	

---

**Question 12:**

Time: 1 Min 53 Sec

Marks: 0 / 1

Consider the below tables.

Customer(customerId,customerName) - customerId is primary key

Account(accountId,accountType,balance,customerId) - accountId is primary key and customerId is foreign key

Which is the CORRECT SQL statement to retrieve customerId, customerName, accountId and balance for all customers. It should also display the details of the customers who are not having any account.

Options	Response	Answer
<pre>SELECT c.customerId,c.customerName,a.accountId,a.balance FROM account a RIGHT OUTER JOIN customer c ON c.customerId=a.customerId;</pre>		✓
<pre>SELECT c.customerId,c.customerName,a.accountId,a.balance FROM customer c RIGHT OUTER JOIN account a ON c.customerId=a.customerId;</pre>	✓	
<pre>SELECT c.customerId,c.customerName,a.accountId,a.balance FROM customer c INNER JOIN account a ON c.customerId=a.customerId;</pre>		
<pre>SELECT c.customerId,c.customerName,a.accountId,a.balance FROM account a LEFT OUTER JOIN customer c ON c.customerId=a.customerId;</pre>		

**Question 13:**

Time: 33 Sec

Marks: 0/ 1

Consider the following Java code. Identify the relationship between class Employee and class PartTimeEmployee.

```
public class Employee {
 private int empld;
 private String empName;

}

public class PartTimeEmployee extends Employee {
 private float noOfHours;
}
```

Choose the most appropriate option.

Options	Response	Answer
Composition		
Aggregation	✓	
Realization		
Generalization		✓

**Question 14:**

Time: 1 Min 41 Sec

Marks: 1/ 1

Consider the following tables:

**Account**(AccountNumber, AccountOpeningDate, Balance). Here AccountNumber is

the primary key.

**Transaction**(TransactionId, AccountNumber, DateOfTransaction, Amount, TransactionType);

Here TransactionId is the primary key and AccountNumber is the foreign key

referencing AccountNumber in Account table.

Which is the CORRECT query to display AccountNumber and balance of accounts on which NO transaction was done after '31-Dec-2015';

Options	Response	Answer
<pre>SELECT AccountNumber,Balance FROM Account  WHERE AccountNumber NOT IN (SELECT AccountNumber FROM Transaction);</pre>		
<pre>SELECT AccountNumber,Balance FROM Account  WHERE AccountNumber NOT IN (SELECT AccountNumber FROM Transaction  WHERE DateOfTransaction = '31-Dec- 2015');</pre>		

```
SELECT AccountNumber,Balance
FROM Account

WHERE AccountNumber IN

(SELECT AccountNumber FROM
Transaction

WHERE DateOfTransaction > '31-Dec-
2015');
```

```
SELECT AccountNumber,Balance
FROM Account

WHERE AccountNumber NOT IN

(SELECT AccountNumber FROM
Transaction

WHERE DateOfTransaction > '31-Dec-
2015');
```

**Question 15:**

Time: 1 Min 20 Sec

Marks: 1 / 1

What will be the output of the following Java code?

Policy.java

```
public class Policy {
 private void readPolicy(){
 System.out.println("Policy - readPolicy()");
 }
 public void writePolicy(){
 System.out.println("Policy - writePolicy()");
 }
}
```

MoneyBackPolicy.java

```
public class MoneyBackPolicy extends Policy{
 public void readPolicy(){
 System.out.println("MoneyBackPolicy - readPolicy()");
 }
 public void writePolicy(){
 System.out.println("MoneyBackPolicy - writePolicy()");
 }
}
```

DynamicBindingTester.java

```
public class DynamicBindingTester {
 public static void main(String[] args){
 Policy policy = new MoneyBackPolicy();
 policy.readPolicy();
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
MoneyBackPolicy - readPolicy()		
Compilation error: The method readPolicy() from the type Policy is not visible	✓	✓
There is no error in the code, but the code will not display any output.		
Policy - readPolicy()		

**Question 16:**

Time: 31 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
package x;
public class Student{
 void display(){ // Line 1
 System.out.println("Hello");
 }
}

package y;
import x.Student; // Line 2

public class TestFinalClass {
 public static void main(String[] args) {
 Student s = new Student();
 s.display(); // Line 3
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
The code will print Hello		
Compilation error at Line 2 : Cannot import class Student from package x		
Compilation error at Line 3 : The method display from type Student is not visible	✓	✓
Compilation error at Line 1 : No access specifier defined for method display		

**Question 17:**

Time: 12 Sec

Marks: 1/ 1

Refer the JavaScript code given below.

```
<html>

<head>

<script>

function aFun(){

var num1=111;

var num2="111";

alert(num1==num2) //Line1

alert(num1===num2) //Line2

}

</script>

</head>

<button onclick='aFun()'>Click</button>

</html>
```

When the above code is executed, what will be the output produced by Line1 and Line2?

Options	Response	Answer
Output from Line1: true, Output from Line2: true		
Output from Line1: false, Output from Line2: true		
JavaScript will show a compilation error as "===" is not defined		
Output from Line1: true, Output from Line2: false	✓	✓

**Question 18:**

Time: 2 Min 19 Sec

Marks: 1/ 1

Assume that table **Customer** has some records as shown below.

CUSTOMERID	ACCOUNTNUMBER	BALANCE
1	100	2000
2	100	500
3	101	2500
4	101	1000

Identify the CORRECT SQL statement to display the output as shown below.

CUSTOMERID	ACCOUNTNUMBER	BALANCE
4	101	1000
3	101	2500
2	100	500
1	100	1000

Options	Response	Answer
select * from customer order by balance;		
select * from customer order by accountnumber, balance ;		
select * from customer order by accountnumber desc,balance desc;		
select * from customer order by accountnumber desc,balance;	✓	✓

**Question 19:**

Time: 31 Sec

Marks: 1/ 1

Assume that table **Player** has the following records.

PlayerId	Salary	PlayerAverage
P1	25000	75.5
P2	20000	70
P3	22000	70.5

How many row(s) will be deleted after executing the SQL statement given below?

DELETE FROM Player WHERE Salary>20000 OR PlayerAverage<=70;

Options	Response	Answer
0		
3	✓	✓
1		
2		

**Question 20:**

Time: 16 Sec

Marks: 1 / 1

Assume that table **Employee** has following records.

Empld	JobBand	DeptId
1001	A	10
1002	B	30
1003	A	20
1004	A	10

Which is the CORRECT SQL statement to display the output as show below.

JobBand	DeptId
A	10
A	20
B	30

Options	Response	Answer
SELECT DISTINCT jobBand,DeptId from Employee;	✓	✓
SELECT DISTINCT jobBand,DISTINCT DeptId from Employee;		
SELECT DISTINCT jobBand,DeptId from Employee WHERE jobBand='A' AND jobBand='B';		
SELECT DISTINCT jobBand,DISTINCT DeptId from Employee WHERE jobBand='A' AND jobBand='B';		

**Question 21:**

Time: 27 Sec

Marks: 1/ 1

Which of the following code inserted in Line #3 prints the below output?

3 6 9 12 15 18

1. public class ForLoopTester {
2.   public static void main(String[] args) {
3.       // Code to be inserted
4.     }
5. }

Choose the most appropriate option.

Options	Response	Answer
for(int number = 3; number < 20; number++){ System.out.print(number + " "); }		
for(int number = 0; number < 20; number+3){ System.out.print(number + " "); }		
for(int number = 3; number < 20; number+=3){ System.out.print(number + " "); }	✓	✓
for(int number = 0; number < 20; number+=3){ System.out.print(number + " "); }		

### Question 22:

Time: 57 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
public class StringTester{
 public static void main(String[] args) {
 String s1=new String("Accenture");
 String s2=new String("India Limited");
 s1.concat(s2);
 System.out.println(s1);
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
Accenture	✓	✓
Accenture India Limited		
India Limited		
Accenture India		

**Question 23:**
**Time: 23 Sec**
**Marks: 1 / 1**

Refer the class declarations given below:

```
class A{ }
```

```
class B extends A{ }
```

```
class C extends B{ }
```

```
class D extends C{ }
```

Identify the INCORRECT statement.

Choose the most appropriate option.

Options	Response	Answer
A a = new D();		
C c=new B();	✓	✓
B b=new D();		
C c=new C();		

**Question 24:**
**Time: 15 Sec**
**Marks: 1 / 1**

Which of the following actions should be performed to ensure cyber safety at a user level?

- (i) Automatic downloads from the websites should be enabled
- (ii) Automatic security updates should be installed
- (iii) Firewall should be turned off if the system has the latest security update

Choose the most appropriate option

Options	Response	Answer
Both (i) and (iii)		
Both (i) and (ii)		
Both (ii) and (iii)		
Only (ii)	✓	✓
Only (iii)		

### Question 25:

Time: 29 Sec

Marks: 1 / 1

Consider the Java code given below.

```
public class DemoArray {
 public static void main(String args[]){
 int array[]={2,4,6,8};
 int sum=0;
 //insert here
 System.out.println(sum);
 }
}
```

Which of the following line inserted independently in the above code will result in sum of array elements?

Choose the most appropriate option.

Options	Response	Answer
sum=array[0]+array[1]+array[2]+array[3]+array[4];		
sum=array[1]+array[2]+array[3]+array[4];		
for(int i=0;i<array.length;i++) { sum=sum+array[i]; }	✓	✓
for(int i=1;i<array.length;i++) { sum=sum+array[i]; }		

### Question 26:

Time: 17 Sec

Marks: 1 / 1

Refer the HTML code given below.

```
<html>
<body>
<table border="1">
<tr><th>A</th> <th colspan="2">B</th>
<tr> <th rowspan="3">C</th> <th>D</th> <th>E</th> </tr>
<tr> <th>A</th> <th rowspan="2">B</th></tr>
<tr> <th>D</th>
</table>
</body>
</html>
```

How many cells will be displayed when the page is displayed on the browser?

Options	Response	Answer
8	✓	✓
7		
10		
9		

**Question 27:**

Time: 14 Sec

Marks: 1 / 1

Performance feedback allows which of the following actions?

- (1) To take action to improve your skills and performance so you are effective in your current and future roles
- (2) To have your say about how you think your colleagues are performing

Choose the most appropriate option.

Options	Response	Answer
Only (2)		
Only (1)	✓	✓
Both (1) and (2)		
Neither (1) Nor (2)		

**Question 28:**

Time: 21 Sec

Marks: 1 / 1

Which of the following statement(s) are FALSE regarding Java Architecture?

(i) Byte code or .class file is platform independent

(ii) JVM is platform independent

Choose the most appropriate option.

Options	Response	Answer
Only (i) is FALSE		
Both (i) and (ii) are FALSE		
Only (ii) is FALSE	✓	✓
Both (i) and (ii) are TRUE		

**Question 29:**

Time: 34 Sec

Marks: 1 / 1

In HTML, Which is the CORRECT code to display a hyper link "Click"?

[Note: While clicking on "Click" it should direct to accenture portal]

Options	Response	Answer
<a ref="https://portal.accenture.com"> Click </a>		
<a href="https://portal.accenture.com", Click </a>		
<a href="https://portal.accenture.com"> Click </a>	✓	✓
<a href="Click"> https://portal.accenture.com </a>		

### Question 30:

Time: 1 Min 2 Sec

Marks: 1/ 1

Consider the table Project(projectId, projectType,budget).

Which is the CORRECT SQL statement to retrieve the projectType(s) which has more than 10 projects?

Options	Response	Answer
SELECT projectType FROM project  WHERE COUNT(projectId)>10  GROUP BY projectId;		
SELECT projectType FROM project  GROUP BY projectType  HAVING COUNT(projectId)>10;	✓	✓
SELECT projectType FROM project  WHERE COUNT(projectId)>10  GROUP BY projectType;		
SELECT projectType FROM project  GROUP BY projectId  HAVING COUNT(projectId)>10;		

**Question 31:**

Time: 25 Sec

Marks: 1 / 1

Consider table **Employee(Employeeld, EmployeeName,DeptCode)** .

Which is the CORRECT SQL query to display the Employeeld and EmployeeName of employees who are working in DeptCode 10 OR 20?

- (i) SELECT Employeeld,EmployeeName FROM Employee WHERE DeptCode IN (10,20);
- (ii) SELECT Employeeld,EmployeeName FROM Employee WHERE DeptCode = 10 OR DeptCode = 20;

Options	Response	Answer
Both (i) and (ii)	✓	✓
Neither (i) nor (ii)		
Only (i)		
Only (ii)		

**Question 32:**

Time: 2 Min 23 Sec

Marks: 1 / 1

Consider the below tables.

Publisher(PublisherCode, PublisherName, Address, Email). Here PublisherCode is the primary key;

Book (ISBN, Title, Author, Price, PublisherCode). Here ISBN is the Primary Key and PublisherCode is the foreign key referencing the PublisherCode in Publisher table.

Which is the CORRECT SQL query to display ISBN, Title, Author, PublisherCode and PublisherName for all the books.

Options	Response	Answer
<pre>SELECT Book.ISBN, Book.Title, Book.Author, Book.PublisherCode, Publisher.PublisherName  FROM Book INNER JOIN Publisher  ON Book.PublisherCode = Publisher.PublisherCode;</pre>	✓	✓
<pre>SELECT ISBN,Title,Author,PublisherCode,Publis herName  FROM Book INNER JOIN Publisher  ON PublisherCode = PublisherCode;</pre>		
<pre>SELECT Book.ISBN, Book.Title, Book.Author, Book.PublisherCode, Publisher.PublisherName  FROM Book,Publisher;</pre>		
<pre>SELECT Book.ISBN, Book.Title, Book.Author, Book.PublisherCode, Publisher.PublisherName  FROM Book SELF JOIN Publisher  ON Book.PublisherCode = Publisher.PublisherCode;</pre>		

**Question 33:**

Time: 3 Min 26 Sec

Marks: 0/ 1

Refer the code given below:

```
Employee emp = new Employee();
Employee emp1 = new Employee();
Employee emp2 = emp;
Employee emp3;
emp=null;
emp3=emp;
//Line1
```

Assume that class Employee is a valid Java class.

How many objects are eligible for garbage collection at Line1?

Choose the most appropriate option.

Options	Response	Answer
2		
1	✓	
3		
0		✓

**Question 34:**

Time: 42 Sec

Marks: 1 / 1

There is a requirement to create a web page with a text box. The page should be loaded with a value "Hello" in the text box.

Which is the CORRECT html code to meet the above requirement?

Options	Response	Answer
<html>  <input type="text" id="Hello"/>  </html>		
<html>  <input type="text" name="Hello"/>  </html>		
<html>  <input type="text" onLoad="Hello"/>  </html>		
<html>  <input type="text" value="Hello"/>  </html>	✓	✓

**Question 35:**

Time: 39 Sec

Marks: 1/ 1

Assume that Table Customer is created in database using the create statement given below.

```
CREATE TABLE Customer(
CustomerId NUMBER(5) CONSTRAINT cust_pk PRIMARY KEY,
CustomerName VARCHAR2(20) CONSTRAINT cust_nn NOT NULL);
```

Choose the appropriate ALTER statement to drop primary key constraint of table Customer.

Options	Response	Answer
ALTER TABLE Customer DROP cust_pk;		
ALTER TABLE Customer DROP CONSTRAINT cust_pk;	✓	✓
ALTER TABLE Customer DROP PRIMARY KEY CONSTRAINT;		
ALTER TABLE Customer DROP PRIMARY KEY CONSTRAINT cust_pk;		

### Question 36:

Time: 23 Sec

Marks: 1/ 1

Which of the following statement/s is/are TRUE with respect to Agile?

- (1) Focuses on an iterative, incremental, and flexible approach to software development
- (2) Development of software takes place in sequential phases

Choose the most appropriate option

Options	Response	Answer
Both (1) and (2) are FALSE		
Only (1) is TRUE	✓	✓
Only (2) is TRUE		
Both (1) and (2) are TRUE		

### Question 37:

Time: 9 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
1 public abstract class Bank {
2 protected double amount;
3
4 public Bank(){
5 this.amount = 1000.0;
6 }
7 public abstract void createAccount();
8 public double getAmount(){
9 return this.amount;
10 }
11 }
12
13 public class MyBank extends Bank{
14 public MyBank(){
15 this.amount = 2000.0;
16 }
17 public void createAccount(){
18 System.out.println("Account created");
19 }
20 }
21
22 public class ApplicationTester {
23 public static void main(String[] args){
24 Bank b = new MyBank();
25 b.createAccount();
26 System.out.println(b.getAmount());
27 }
28 }
29 }
```

Options	Response	Answer
Account created 1000.0		
Compilation error at Line 4: Cannot have constructor in abstract class 'Bank'		
Compilation error at Line 24: Cannot have a reference of type 'Bank'		
Account created 2000.0	✓	✓

### Question 38:

Time: 30 Sec

Marks: 1/ 1

Assume that below code is present in the head tag of a HTML page.

```
<style>
.myclass{
 background-color: lightgrey;
 color:blue;
}
</style>
```

Which is the CORRECT way of using this style?

Options	Response	Answer
<h1 id="myclass">Welcome to My Homepage</h1>		
<h1 style="myclass">Welcome to My Homepage</h1>		
<h1 class="myclass">Welcome to My Homepage</h1>	✓	✓
<h1 class=".myclass">Welcome to My Homepage</h1>		

Consider table **Project**(projectId, projectType, budget).

Which is the CORRECT SQL statement to display projectId, projectType and budget of project which is having minimum budget in each project type?

Options	Response	Answer
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1  WHERE p1.budget IN( SELECT MIN(p2.budget) FROM project p2  WHERE p1.projectType=p2.projectType);</pre>	✓	✓
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1  WHERE p1.budget IN( SELECT MIN(p2.budget) FROM project p2);</pre>		
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1  WHERE MIN(p1.budget)IN( SELECT MIN(p2.budget) FROM project p2  WHERE p1.projectType=p2.projectType);</pre>		
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1  WHERE p1.budget IN( SELECT MIN(p2.budget) FROM project p2  WHERE p1.budget=p2.budget);</pre>		

What will be the output of the following Java code?

MyInterface1.java

```
public interface MyInterface1 {
 public void method1();
}
```

MyInterface2.java

```
public interface MyInterface2 {
 void method2();
}
```

MyClass.java

```
public class MyClass implements MyInterface1, MyInterface2{
 public void method1(){
 System.out.print ("1 ");
 }
 void method2(){
 System.out.print ("2");
 }
}
```

InterfaceTester.java

```
public class InterfaceTester {
 public static void main(String[] args){
 MyClass reference = new MyClass();
 reference.method1();
 reference.method2();
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error: MyClass cannot implement more than one interface		
Compilation error: method2 in MyInterface2 must be defined with public access specifier	✓	
Compilation error: Cannot reduce the visibility of the inherited method from MyInterface2		✓
1 2		

#### Question 41:

Time: 28 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class ApplicationTester {
 public static void main(String[] args) {
 switch(10/2){
 default: System.out.print (" Action ");
 case 2 : System.out.print (" Cut ");
 break;
 case 10 : System.out.print (" Start ");
 }
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
Action Cut Start		
Action Cut	✓	✓
Start		
Action		

#### Question 42:

Time: 6 Sec

Marks: 1/ 1

Which among the following are DevOps Principle?

- (i) Automate Everything
- (ii) Test early and often
- (iii) Strong source control

Choose the most appropriate option.

Options	Response	Answer
Only (i) and (ii)		
Only (i) and (iii)		
Only (ii) and (iii)		
All (i), (ii) and (iii)	✓	✓

**Question 43:**

Time: 19 Sec

Marks: 1/ 1

Which of the following statement/s is/are TRUE with respect to Community Cloud?

- (1) Exclusively owned and operated by a single organization
- (2) Available for use by a shared community consisting of several organizations

Choose the most appropriate option.

Options	Response	Answer
Neither (1) Nor (2)		
Only (1)		
Both (1) and (2)		
Only (2)	✓	✓

**Question 44:**

Time: 24 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class ApplicationTester {
 public static void main(String[] args){
 int data = 20;
 switch(data){
 case 20:
 System.out.print(" Twenty ");
 case 10:
 System.out.print(" Ten ");
 case 0:
 System.out.print(" Zero ");
 }
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
Program will display "Twenty Ten Zero"	✓	✓
Program will display "Twenty"		
Program will display "Twenty Ten"		
Program will display "Ten Zero"		

**Question 45:**

Time: 43 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
1 package mypackage1;
2
3 public class Parent {
4 public Parent(){
5 System.out.print(" 1 ");
6 }
7 }
8
9 package mypackage1;
10
11 public class Child extends Parent{
12 protected Child(){
13 System.out.println(" 2 ");
14 }
15 }
16
17 package mypackage2;
18
19 public class ApplicationTester{
20 public static void main(String[] args){
21 mypackage1.Child child = new mypackage1.Child();
22 }
23 }
24 }
```

Options	Response	Answer
1 2		
2 1		
Compilation error at Line 12: Invalid access specifier 'protected' for the constructor 'Child()'		
Compilation error at Line 21: The constructor Child() is not visible	✓	✓

**Question 46:**

Time: 1 Min 50 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class StaticTester{
 private static int count;
 public static void main(String[] args) {
 count++;
 new StaticTester().count++;
 StaticTester.count--;
 StaticTester s = new StaticTester();
 s.count = s.count + 5;
 StaticTester staticTester = new StaticTester();
 System.out.println("Count is " +staticTester.count);
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
Count is 1		
Count is 6	✓	✓
Count is 0		
Count is 5		

**Question 47:**

Time: 59 Sec

Marks: 1 / 1

Assume that table **Customer** has the following records.

Cid	Cname
10	James
11	Jack
12	HARY
13	MARK

Identify the CORRECT SQL statement to display the output as follows.

Cname
James
Jack

Options	Response	Answer
SELECT cname FROM customer WHERE cname LIKE '_a%' OR cname LIKE '%k';	✓	✓
SELECT cname FROM customer WHERE cname = '_a%' AND cname ='%k';		
SELECT cname FROM customer WHERE cname LIKE '_a%' AND cname LIKE '%k';		
SELECT cname FROM customer WHERE cname = '_a%' OR cname ='%k';		

**Question 48:**

Time: 13 Sec

Marks: 1/ 1

Arrange the following stages of Project Lifecycle according to SDLC.

- (1) Planning
- (2) Initiation
- (3) Closing
- (4) Execution

Choose the most appropriate option.

Options	Response	Answer
(1) - (2) - (4) - (3)		
(2) - (1) - (4) - (3)	✓	✓
(1) - (2) - (3) - (4)		
(2) - (1) - (3) - (4)		

**Question 49:**

Time: 2 Min 15 Sec

Marks: 1/ 1

What will be the output of the following Java code?

Vehicle.java

```
public class Vehicle {
 private float enginePower;

 public Vehicle(float enginePower){
 this.enginePower = enginePower;
 }
 public float getEnginePower(){
 return enginePower;
 }
}
```

FourWheeler.java

```
public class FourWheeler extends Vehicle{
 private String type;
 public FourWheeler(){
 this.type = "LMV";
 }
 public FourWheeler(String type, float enginePower){
 this.type = type;
 }
 public String getType(){
 return type;
 }
}
```

InheritanceTester.java

```
public class InheritanceTester {
 public static void main(String[] args){
 FourWheeler vehicle = new FourWheeler("HMV", 3.5F);
 System.out.println(vehicle.getType() + " " + vehicle.getEnginePower());
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
LMV 0.0		
Error in the code: Implicit super constructor Vehicle() is undefined. Must explicitly invoke another constructor	✓	✓
null 3.5		
HMV 3.5		

### Question 50:

Time: 16 Sec

Marks: 1/ 1

Assume that my\_style.css is an existing and a valid css file. Which is the CORRECT way to refer this external style sheet?

Options	Response	Answer
<style rel="stylesheet" type="text/css" href= "my_style.css" />		
<stylesheet type="text/css" href= "my_style.css" />		
<link rel="stylesheet" type="text/css" href= "my_style.css" />	✓	✓
<link> href= "my_style.css" </link>		

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Test Taken on: February 28, 2019 03:05:43 PM IST

Finish State: Normal

### Registration Details

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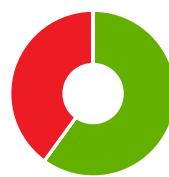
### Overall Summary

#### MARKS SCORED

	Score	Percentile	Percentage
Section #1	30 / 50	24	60
Total	30 / 50	24	60

Percentile is among 2152 candidate(s) who've taken this test.

#### SUMMARY OF ATTEMPTS

**20 Incorrect**  
(Scored 0/20)**30 Correct**  
(Scored 30/30)

#### TIME TAKEN

0	53
hr	min

Available time: 1 hr 20 min

#### TOTAL QUESTIONS

50

## Question-wise Details

### Section #1

#### Question 1:

Time: 1 Min 33 Sec

Marks: 1/ 1

What will be the output of the following Java code?

Policy.java

```
public class Policy {
 private void readPolicy(){
 System.out.println("Policy - readPolicy()");
 }
 public void writePolicy(){
 System.out.println("Policy - writePolicy()");
 }
}
```

MoneyBackPolicy.java

```
public class MoneyBackPolicy extends Policy{
 public void readPolicy(){
 System.out.println("MoneyBackPolicy - readPolicy()");
 }
 public void writePolicy(){
 System.out.println("MoneyBackPolicy - writePolicy()");
 }
}
```

DynamicBindingTester.java

```
public class DynamicBindingTester {
 public static void main(String[] args){
 Policy policy = new MoneyBackPolicy();
 policy.readPolicy();
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
There is no error in the code, but the code will not display any output.		
Compilation error: The method readPolicy() from the type Policy is not visible	✓	✓
Policy - readPolicy()		
MoneyBackPolicy - readPolicy()		

### Question 2:

Time: 39 Sec

Marks: 1 / 1

Consider the Java code given below. When the code is executed, how many times "1" will be printed?

```
public class Tester{
 public static void main(String[] args){
 for(int i=0; i < 5; i++){
 if(i > 2){
 continue;
 }
 System.out.print(" 1 ");
 }
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
5 times		
6 times		
3 times	✓	✓
2 times		

### Question 3:

Time: 3 Min 49 Sec

Marks: 1 / 1

Refer the code given below:

```
public class Vehicle {
 private int vehicleId;
 private String vehicleName;
 public Vehicle(int vehicleId, String vehicleName) {
 this.vehicleId = vehicleId;
 this.vehicleName = vehicleName;
 }
 // Assume Getters and Setters are coded
}

public class Car extends Vehicle {
 private String carModel;
 private double average;
 //Line1
 // Assume getters and Setters are already coded...
}
```

Choose a valid Constructor implementation to be inserted at Line1 to make the above code compile successfully

Choose the most appropriate option.

Options	Response	Answer
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) {     //Java code to initialize carModel and     average     super(vehicleId, vehicleName); }</pre>		
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) {     this.carModel = carModel;     this.average = average; }</pre>		
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) {     super(vehicleId, vehicleName);     //Java code to initialize carModel and     average }</pre>	✓	✓
<pre>public void Car(int vehicleId, String vehicleName, String carModel,double average) {     super(vehicleId, vehicleName);     //Java code to initialize carModel and     average }</pre>		

Question 4:

Time: 41 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
class Employee {
 public Employee() {
 System.out.println("From Constructor of Employee");
 }
}

public class Tester {
 public static void main(String[] args) {
 Employee[] employee = new Employee[5];
 employee[0] = new Employee(); //Line2
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error at Line2: Invalid assignment operation		
Prints the "From Constructor of Employee" 1 times	✓	✓
Prints the "From Constructor of Employee" 5 times		
Prints the "From Constructor of Employee" 6 times		

**Question 5:**

Time: 1 Min 16 Sec

Marks: 1 / 1

Refer the code given below:

```
class Employee{

 public void printDetails(){

 Printer printer = new Printer();

 printer.print("Test Print");

 }

}
```

```
class Printer{

 public void print(String str){

 System.out.println("Priting Details: "+str);

 }

}
```

Choose from below a valid option that represents the relationship in between the classes Employee and Printer

Choose the most appropriate option.

Options	Response	Answer
Generalization		
Composition		
Specialization		
Aggregation	✓	✓

**Question 6:**

Time: 14 Sec

Marks: 1/ 1

Which of the following statement(s) is/are TRUE?

- 1) GET method is the default form submission method
- 2) Check box is a multi select control

Options	Response	Answer
Both 1 and 2	✓	✓
Neither 1 nor 2		
Only 1		
Only 2		

**Question 7:**

Time: 40 Sec

Marks: 0/ 1

Consider the below tables.

Actor(actorId,actorName) - actorId is primary key

Event(eventId,eventName) - eventId is primary key

Registration(registrationId,actorId,eventId) - actorId and eventId are foreign keys

Which is the CORRECT SQL statement to retrieve actorId, actorName and eventId for all actors who has registered for an event. If any actor is not registered for any event, still the actor details should be displayed.

Options	Response	Answer
<pre>SELECT a.actorId,a.actorName,r.eventId  FROM Actor a LEFT OUTER JOIN Registration r  ON a.actorId=r.actorId;</pre>		✓
<pre>SELECT a.actorId,a.actorName,r.eventId  FROM Actor a CROSS JOIN Registration r  ON a.actorId=r.actorId;</pre>		
<pre>SELECT a.actorId,a.actorName,r.eventId  FROM Actor a RIGHT OUTER JOIN Registration r  ON a.actorId=r.actorId;</pre>		
<pre>SELECT a.actorId,a.actorName,r.eventId  FROM Actor a INNER JOIN Registration r  ON a.actorId=r.actorId;</pre>	✓	

#### Question 8:

Time: 49 Sec

Marks: 0 / 1

Consider the table Student(StudentId, StudentName, Email, PercentageOfMarks).

Which is the CORRECT query to display the details in the decreasing order (highest to lowest) of PercentageOfMarks and in the alphabetical order (A-Z) of StudentName in case PercentageOfMarks is the same.

Options	Response	Answer
<pre>SELECT StudentId, StudentName, Email, PercentageOfmarks</pre>		
<pre>FROM Student ORDER BY StudentName, PercentageOfMarks DESC;</pre>		
<pre>SELECT StudentId, StudentName, Email, PercentageOfmarks</pre>		✓
<pre>FROM Student ORDER BY PercentageOfMarks DESC, StudentName;</pre>		
<pre>SELECT StudentId, StudentName, Email, PercentageOfmarks</pre>		
<pre>FROM Student ORDER BY PercentageOfMarks, StudentName;</pre>		
<pre>SELECT StudentId, StudentName, Email, PercentageOfMarks</pre>	✓	
<pre>FROM Student ORDER BY PercentageOfMarks DESC, StudentName DESC;</pre>		

**Question 9:**

Time: 46 Sec

Marks: 1/ 1

Which is the correct CSS code to display the text "Accenture" in light grey back ground?

Options	Response	Answer
<h2 background-color:lightgrey>Accenture</h2>		
<h2 style="background-color=lightgrey">Accenture</h2>		
<h2 style="background-color:lightgrey">Accenture</h2>	✓	✓
<h2 style="background-color(lightgrey)">Accenture</h2>		

---

**Question 10:**

Time: 2 Min 35 Sec

Marks: 0 / 1

Consider the following CREATE TABLE STATEMENT which successfully creates the table Student. Assume that University table already exists with University Codes 'VTU', 'STU', and 'CMU'.

```
CREATE TABLE Student (StudentId Number(5) CONSTRAINT Student_PKey PRIMARY KEY,
```

```
Name Varchar2(30) CONSTRAINT Student_Null NOT NULL,
```

```
Email Varchar2(30) CONSTRAINT Student_Unique UNIQUE,
```

```
UniversityCode Varchar2(10)
```

```
CONSTRAINT Student_Fkey REFERENCES University(UniversityCode));
```

Currently student table contains only one row as shown below.

```
(1001,'Jack','jack@gmail.com','STU');
```

Which of the following INSERT statement would successfully insert the row into "Student" table?

Options	Response	Answer
INSERT INTO Student VALUES(1005,'Joe','joe@gmail.com','N IT');	✓	
INSERT INTO Student VALUES(1001,'James','james@gmail.c om','CMU');		
INSERT INTO Student VALUES(1003,'Mary','jack@gmail.com' , 'vtu');		
INSERT INTO Student VALUES(1003,'Scott','scott@gmail.co m','VTU');		✓

**Question 11:**

Time: 34 Sec

Marks: 1/ 1

Assume that table **Event** is having the following records. Identify the correct query to retrieve all event records which has got a stage number.

EVENTID	EVENTNAME	STAGENUMBER
E1	Drama	
E2	Dance	2
E3	Speech	1

Options	Response	Answer
SELECT * FROM Event WHERE StageNumber IS NOT EQUAL TO NULL;		
SELECT * FROM Event WHERE StageNumber <> NULL		
SELECT * FROM Event WHERE StageNumber IS NOT NULL	✓	✓
SELECT * FROM Event WHERE StageNumber != NULL		

**Question 12:**

Time: 1 Min 9 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
1 public abstract class Bank {
2 protected double amount;
3
4 public Bank(){
5 this.amount = 1000.0;
6 }
7 public abstract void createAccount();
8 public double getAmount(){
9 return this.amount;
10 }
11 }
12
13 public class MyBank extends Bank{
14 public MyBank(){
15 this.amount = 2000.0;
16 }
17 public void createAccount(){
18 System.out.println("Account created");
19 }
20 }
21
22 public class ApplicationTester {
23 public static void main(String[] args){
24 Bank b = new MyBank();
25 b.createAccount();
26 System.out.println(b.getAmount());
27 }
28 }
29 }
```

Options	Response	Answer
Account created		
1000.0		
Compilation error at Line 24: Cannot have a reference of type 'Bank'		
Account created	✓	✓
2000.0		
Compilation error at Line 4: Cannot have constructor in abstract class 'Bank'		

**Question 13:**

Time: 2 Min 24 Sec

Marks: 1/ 1

Consider the table Project(projectId, projectType,budget).

Which is the CORRECT SQL statement to retrieve the count of projects which is of type 'FIN' or' SALE'? It should count for 'FIN' and 'SALE' separately.

Options	Response	Answer
<pre>SELECT projectType,COUNT(projectId)  FROM project  WHERE projectType IN('FIN','SALE')  GROUP BY projectType;</pre>	✓	✓
<pre>SELECT projectType,COUNT(projectId)  FROM project  WHERE projectType IN('FIN','SALE')  GROUP BY projectId;</pre>		
<pre>SELECT projectType,COUNT(projectId)  FROM project  WHERE projectType IN('FIN','SALE');</pre>		
<pre>SELECT projectType,COUNT(projectId)  FROM project  GROUP BY projectId  HAVING projectType IN('FIN','SALE');</pre>		

---

Question 14:

Time: 1 Min 0 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
class Person {
 public void work() {
 System.out.println("Person Work's");
 }
}

public class Employee extends Person {
 public void work() {
 System.out.println("Employee Work's");
 }
 public static void main(String[] args) {
 Employee employee=new Employee();
 Person p=employee;
 p.work();
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
Employee Work's		✓
Person Work's Employee Work's		
Compilation Error : work method in Employee cannot have same signature as that of it's parent Person		
Person Work's	✓	

**Question 15:**

Time: 32 Sec

Marks: 1/ 1

Which testing technique tests the functionality of the application without looking at the internal structure of the code?

- i. Black Box Testing
- ii. Assembly Testing
- iii. Product Testing
- iv. White Box Testing

Choose the most appropriate option.

Options	Response	Answer
Product Testing		
White Box Testing		
Black Box Testing	✓	✓
Assembly Testing		

**Question 16:**
**Time: 42 Sec**
**Marks: 1 / 1**

Which of the following statement(s) are FALSE regarding Java Architecture?

- (i) Byte code or .class file is platform independent
- (ii) JVM is platform independent

Choose the most appropriate option.

Options	Response	Answer
Only (ii) is FALSE	✓	✓
Both (i) and (ii) are FALSE		
Only (i) is FALSE		
Both (i) and (ii) are TRUE		

**Question 17:**
**Time: 49 Sec**
**Marks: 1 / 1**

Assume that table **Player** has following records.

PlayerId	Salary	PlayerAverage
P1	25000	75.5
P2	20000	70
P3	22000	70.5

How many row(s) will be deleted after executing the SQL statement given below?

DELETE FROM Player WHERE Salary>=20000 AND PlayerAverage<70;

Options	Response	Answer
1		
ERROR: No matching record in Player table.		
0	✓	✓
2		

**Question 18:**

Time: 2 Min 29 Sec

Marks: 1/ 1

Consider the below tables are created and has some records.

Account(accountId,balance) - account id is primary key

Transaction(transactionId,accountId,transactionType,amount) - AccountId is foreign key referring to accountId of account table

Assume that Transaction table has records for more than one accountId. Which is the CORRECT SQL statement to retrieve all accountId(s) for which there is no transactions are recorded?

Options	Response	Answer
SELECT accountId FROM account  WHERE accountId NOT IN(  SELECT accountId FROM transaction);	✓	✓
SELECT accountId FROM account  WHERE accountId IN(  SELECT accountId FROM transaction);		
SELECT accountId FROM account  WHERE accountId NOT IN(  SELECT * FROM transaction);		
SELECT accountId FROM account  WHERE accountId !=  (SELECT accountId FROM transaction);		

**Question 19:**

Time: 28 Sec

Marks: 1 / 1

Consider the table Employee(empld,empName,jobBand).

Which is the CORRECT SQL statement to retrieve all unique jobBand from Employee table ?

Options	Response	Answer
SELECT DISTINCT jobBand,empld from Employee;		
SELECT jobBand DISTINCT from Employee;		
SELECT jobBand from Employee DISTINCT;		
SELECT DISTINCT jobBand from Employee;	✓	✓

**Question 20:**

Time: 1 Min 36 Sec

Marks: 0 / 1

What will be the output of the following Java code?

Vehicle.java

```
public class Vehicle {
 private float enginePower;

 public Vehicle(float enginePower){
 this.enginePower = enginePower;
 }
 public float getEnginePower(){
 return enginePower;
 }
}
```

FourWheeler.java

```
public class FourWheeler extends Vehicle{
 private String type;
 public FourWheeler(){
 this.type = "LMV";
 }
 public FourWheeler(String type, float enginePower){
 this.type = type;
 }
 public String getType(){
 return type;
 }
}
```

InheritanceTester.java

```
public class InheritanceTester {
 public static void main(String[] args){
 FourWheeler vehicle = new FourWheeler("HMV", 3.5F);
 System.out.println(vehicle.getType() + " " + vehicle.getEnginePower());
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
null 3.5		
Error in the code: Implicit super constructor Vehicle() is undefined. Must explicitly invoke another constructor		✓
LMV 0.0		
HMV 3.5	✓	

**Question 21:**
**Time: 1 Min 11 Sec**
**Marks: 0/ 1**

Consider table **Account(customerid, accountid, accounttype,balance)** has been created with customerid as primary key.  
Identify ALTER statement which executes successfully on account table. [Note: Table has no records]

Options	Response	Answer
ALTER TABLE Account ADD CONSTRAINT acc_chek CHECK(accounttype IN('C','S'));		✓
ALTER TABLE Account DROP Balance;		
ALTER TABLE Account ADD CONSTRAINT PRIMARY KEY(customerid, accountid);	✓	
ALTER TABLE Account ADD CONSTRAINT acc_null NOT NULL(accounttype);		

**Question 22:**
**Time: 1 Min 38 Sec**
**Marks: 0/ 1**

Consider the below tables.

Publisher(PublisherCode, PublisherName, Address, Email). Here PublisherCode is the primary key;

Book (ISBN, Title, Author, Price, PublisherCode). Here ISBN is the Primary Key and PublisherCode is the foreign key referencing the PublisherCode in Publisher table.

Which is the CORRECT SQL query to display ISBN, Title, Author, PublisherCode and PublisherName for all the books.

Options	Response	Answer
<pre>SELECT Book.ISBN, Book.Title, Book.Author, Book.PublisherCode, Publisher.PublisherName  FROM Book,Publisher;</pre>		
<pre>SELECT ISBN,Title,Author,PublisherCode,Publis herName  FROM Book INNER JOIN Publisher  ON PublisherCode = PublisherCode;</pre>	✓	
<pre>SELECT Book.ISBN, Book.Title, Book.Author, Book.PublisherCode, Publisher.PublisherName  FROM Book INNER JOIN Publisher  ON Book.PublisherCode = Publisher.PublisherCode;</pre>		✓
<pre>SELECT Book.ISBN, Book.Title, Book.Author, Book.PublisherCode, Publisher.PublisherName  FROM Book SELF JOIN Publisher  ON Book.PublisherCode = Publisher.PublisherCode;</pre>		

**Question 23:**

Time: 21 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class ApplicationTester {
 public static void main(String[] args){
 String company = new String("Accenture Solutions Pvt Ltd");
 String[] tokens = company.split(" ");
 System.out.println(tokens.length);
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
4	✓	✓
1		
0		
3		

---

**Question 24:**

Time: 1 Min 50 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
1 package mypackage1;
2
3 public class Parent {
4 public Parent(){
5 System.out.print("1 ");
6 }
7 protected void parentMethod(){
8 System.out.println(" 3 ");
9 }
10}
11
12 package mypackage2;
13 import mypackage1.Parent;
14
15 public class Child extends Parent{
16 public Child(){
17 System.out.println("2");
18 }
19}
20
21
22 package mypackage2;
23
24 public class ApplicationTester{
25 public static void main(String[] args){
26 Child child = new Child();
27 child.parentMethod();
28 }
29}
30
```

Options	Response	Answer
Compilation error at Line 27: The method parentMethod() from the type Parent is not visible		✓
1 2		
Compilation error at Line 7: 'parentMethod' cannot be 'protected'		
1 2 3	✓	

---

**Question 25:****Time: 2 Min 5 Sec****Marks: 0/1**

Consider the table **Employee** (EmployeeId, Name, CareerLevel, Salary).

Which is the CORRECT SQL query to display EmployeeId, Name, CareerLevel and Salary of employees who are getting the maximum salary in each career level?

Options	Response	Answer
<pre>SELECT EmployeeId, Name, CareerLevel, Salary</pre>  <pre>FROM Employee E1 WHERE Salary IN(</pre>  <pre>SELECT max(Salary) FROM Employee E2</pre>  <pre>WHERE E2.salary = E1.salary);</pre>		
<pre>SELECT EmployeeId, Name, CareerLevel, Salary</pre>  <pre>FROM Employee E1 WHERE max(Salary) IN</pre>  <pre>(SELECT max(Salary) FROM Employee E2</pre>  <pre>WHERE E2.CareerLevel = E1.CareerLevel);</pre>	✓	
<pre>SELECT EmployeeId, Name, CareerLevel, Salary</pre>  <pre>FROM Employee E1 WHERE Salary IN</pre>  <pre>(SELECT max(Salary) FROM Employee E2);</pre>		

```
SELECT EmployeeId, Name,
CareerLevel, Salary

FROM Employee E1 WHERE Salary IN

(SELECT max(Salary) FROM
Employee E2

WHERE E2.CareerLevel =
E1.CareerLevel);
```

**Question 26:**

Time: 4 Min 27 Sec

Marks: 1/ 1

Identify the CORRECT method which can be added in to class MyClass

```
public class MyClass {
 public int display(int num1, float num2){
 return 0;
 }
 public double display(String name, int salary) {
 return 0.0;
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
public String display(String name, int salary{ return "success"; }		
public float display(int num1,float num2){ return 0.0f; }		
public void display(int num1,String num2){ }	✓	✓
public double display(String empName, int empld){ return 0.0; }		

### Question 27:

Time: 1 Min 9 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class MyClass{
 public MyClass() {
 System.out.println("Inside constructor");
 }
 static {
 System.out.println("Inside static block 1");
 }
 static {
 System.out.println("Inside static block 2");
 }
 public static void main(String[] args) {
 System.out.println("Inside main method");
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
Inside main method Inside static block 1 Inside static block 2		
Inside static block 1 Inside static block 2 Inside main method	✓	✓
Inside main method		
Inside main method Inside constructor Inside static block 1 Inside static block 2		

**Question 28:**
**Time: 17 Sec**
**Marks: 1/ 1**

Arrange the following stages of Project Lifecycle according to SDLC.

- (1) Planning
- (2) Initiation
- (3) Closing
- (4) Execution

Choose the most appropriate option.

Options	Response	Answer
(1) - (2) - (4) - (3)		
(1) - (2) - (3) - (4)		
(2) - (1) - (3) - (4)		
(2) - (1) - (4) - (3)	✓	✓

**Question 29:**
**Time: 24 Sec**
**Marks: 1/ 1**

What are the benefits of ADM?

- (1) Project standardization and customization
- (2) Common project management framework

Choose the most appropriate option.

Options	Response	Answer
Both (1) and (2)	✓	✓
Neither (1) Nor (2)		
Only (1)		
Only (2)		

---

**Question 30:****Time: 1 Min 2 Sec****Marks: 0/ 1**

What will be the output of the following Java code?

```
public class ApplicationTester {
 public static void main(String[] args){
 int[] array = {-23,-1,-15,-11,-8};
 int max = 0;
 for(int i=0; i < array.length; i++){
 if(array[i] > max){
 max = array[i];
 }
 }
 System.out.println(max);
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
-8		
-23		
-1	✓	
0		✓

**Question 31:**

Time: 43 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
public class MyClass {
 public static void main(String args[]) {
 int i=0;
 while(i++>0) {
 System.out.println("the value of i is "+i);
 }
 System.out.println("End of Program");
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
the value of i is 0 End of Program		
the value of i is 1 End of Program		
The code enters into an infinite loop which prints the value of i from 1 and keep on incrementing it by 1	✓	
End of Program		✓

**Question 32:**

Time: 52 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
interface Message {
 void writeContent();
}

class Email implements Message {
 public void writeContent() {
 System.out.println("Email message");
 }
}

class SMS implements Message {
 public void writeContent() {
 System.out.println("SMS message");
 }
}

public class ApplicationTester{
 public static void main(String[] args) {
 Message message = new Email(); //Line-1
 message.writeContent();
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
null		
Email message	✓	✓
Compilation error at Line-1: Cannot have a reference of interface type		
SMS message		

---

**Question 33:****Time: 23 Sec****Marks: 0/ 1**

Refer the HTML code given below.

```
<html>
<body>
<table border="1">
<tr><th>A</th> <th colspan="2">B</th>
<tr> <th rowspan="3">C</th> <th>D</th> <th>E</th> </tr>
<tr> <th>A</th> <th>B</th></tr>
<tr> <th>D</th> <th>E</th></tr>
</table>
</body>
</html>
```

How many cells will be displayed when the page is displayed on the browser?

Options	Response	Answer
8	✓	
11		
10		
9		✓

**Question 34:**

Time: 8 Sec

Marks: 1/ 1

Which of the following is/are DevOps Principle?

- (1) Continuous improvement
- (2) Test early and often

Choose the most appropriate option.

Options	Response	Answer
Both (1) and (2)	✓	✓
Only (1)		
Neither (1) Nor (2)		
Only (2)		

---

**Question 35:**

Time: 1 Min 10 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
1 public interface MyInterface1 {
2 public void method1();
3 }
4
5 public interface MyInterface2 {
6 public void method2();
7 }
8
9 public class MyClass implements MyInterface1, MyInterface2{
10 public void method1(){
11 System.out.println("method1");
12 }
13 public void method2(){
14 System.out.println("method2");
15 }
16 }
17
18 public class ApplicationTester {
19 public static void main(String[] args){
20 MyInterface1 ref = new MyClass();
21 ref.method2();
22 }
23 }
24 }
```

Options	Response	Answer
Compilation error at Line 21: The method method2() is undefined for the type MyInterface1		✓
Compilation error at Line 9: MyCLass cannot implement two interfaces		
method2		
Compilation error at Line 20: Cannot have a reference of type 'MyInterface1'	✓	

---

**Question 36:****Time: 13 Sec****Marks: 0/1**

Which of the following are characteristics of Agile?

- a. Deliver working software frequently, from a couple of weeks to a couple of months
- b. Working software is the primary measure of progress
- c. Comprehensive documentation

Choose the most appropriate option.

Options	Response	Answer
Both (a) and (c)		
Both (a) and (b)		✓
Both (b) and (c)		
All (a), (b) and (c)	✓	

**Question 37:**

Time: 9 Sec

Marks: 1/ 1

In HTML, which is the CORRECT character entity to display ">" symbol?

Options	Response	Answer
&gt;	✓	✓
gt;		
#gt;		
&#gt;		

**Question 38:**

Time: 26 Sec

Marks: 1/ 1

Assume that my\_style.css is an existing and a valid css file. Which is the CORRECT way to refer this external style sheet?

Options	Response	Answer
<link rel="stylesheet" type="text/css" href= "my_style.css" />	✓	✓
<stylesheet type="text/css" href= "my_style.css" />		
<style rel="stylesheet" type="text/css" href= "my_style.css" />		
<link> href= "my_style.css" </link>		

**Question 39:**
**Time: 21 Sec**
**Marks: 1/ 1**

Which of the following statement/s is/are TRUE with respect to Community Cloud?

- (1) Exclusively owned and operated by a single organization
- (2) Available for use by a shared community consisting of several organizations

Choose the most appropriate option.

Options	Response	Answer
Both (1) and (2)		
Only (1)		
Neither (1) Nor (2)		
Only (2)	✓	✓

**Question 40:**
**Time: 2 Min 3 Sec**
**Marks: 0/ 1**

What will be the output of the following Java code?

```
public class BreakTester {
 public static void main(String[] args){
 int i = 1;
 for(i = 1; i <= 10; i++){
 if(i == 5){
 break;
 }
 }
 System.out.println("Value of i outside the loop: " + i);
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
Value of i outside the loop: 10	✓	
Value of i outside the loop: 0		
Value of i outside the loop: 5		✓
Value of i outside the loop: 11		

**Question 41:**

Time: 59 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class Tester{
 public static void main(String[] args){
 int num = 12;
 switch (num % 2) {
 default:
 System.out.println("Default");
 case 0:
 System.out.println("Even");
 case 1:
 System.out.println("Odd");
 break;
 }
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error as default cannot be the first case among all the cases		
Default Even Odd		
Default		
Even Odd	✓	✓

---

**Question 42:**

Time: 1 Min 44 Sec

Marks: 0 / 1

Assume that table **Customer** has the following records.

Cid	Cname
10	James
11	Jack
12	HARY
13	MARK

Identify the CORRECT SQL statement to display the output as follows.

Cname
James
Jack

Options	Response	Answer
SELECT cname FROM customer WHERE cname LIKE '_a%' OR cname LIKE '%k';		✓
SELECT cname FROM customer WHERE cname = '_a%' OR cname ='%k';	✓	
SELECT cname FROM customer WHERE cname = '_a%' AND cname ='%k';		
SELECT cname FROM customer WHERE cname LIKE '_a%' AND cname LIKE '%k';		

**Question 43:**

Time: 19 Sec

Marks: 0/ 1

Performance feedback allows which of the following actions?

- (1) To take action to improve your skills and performance so you are effective in your current and future roles
- (2) To have your say about how you think your colleagues are performing

Choose the most appropriate option.

Options	Response	Answer
Only (1)		✓
Both (1) and (2)	✓	
Neither (1) Nor (2)		
Only (2)		

**Question 44:**

Time: 47 Sec

Marks: 0/ 1

Refer the code given below:

```
Employee emp = new Employee();
Employee emp1 = new Employee();
emp = new Employee();
Employee emp2=new Employee();
emp=null;
emp2=emp;
//Line1
```

Assume class Employee is a valid Java class.

How many objects are eligible for garbage collection at Line1.

Choose the most appropriate option.

Options	Response	Answer
3		✓
1		
2	✓	
4		

**Question 45:**
**Time: 52 Sec**
**Marks: 0/ 1**

Which of the following are CORRECT statement?

- a) onClick() and onFocus() are DOM events
- b) The DOM method getElementByTagName("name") retrieves an array of all elements having the given tag name
- c) In Java Script, a browser is represented by an implicit object called Document

Options	Response	Answer
a and b only		✓
a and c only	✓	
b and c only		
a, b and c		

**Question 46:**
**Time: 30 Sec**
**Marks: 1/ 1**

Refer the JavaScript code given below.

```
<html>

<head>

<script>

function aFun(){

var num1=111;

var num2="111";

alert(num1==num2) //Line1

alert(num1===num2) //Line2

}

</script>

</head>

<button onclick='aFun()'>Click</button>

</html>
```

When the above code is executed, what will be the output produced by Line1 and Line2?

Options	Response	Answer
Output from Line1: true, Output from Line2: true		
Output from Line1: false, Output from Line2: true		
JavaScript will show a compilation error as "===" is not defined		
Output from Line1: true, Output from Line2: false	✓	✓

**Question 47:**
**Time: 27 Sec**
**Marks: 1/ 1**

Which of the following actions should be performed to ensure cyber safety at a user level?

- (i) Automatic downloads from the websites should be enabled
- (ii) Automatic security updates should be installed
- (iii) Firewall should be turned off if the system has the latest security update

Choose the most appropriate option

Options	Response	Answer
Both (i) and (iii)		
Both (ii) and (iii)		
Both (i) and (ii)		
Only (iii)		
Only (ii)	✓	✓

**Question 48:**
**Time: 29 Sec**
**Marks: 0/ 1**

Refer the below variable declarations done in JavaScript.

- 1) x=10;
- 2) int x=10;
- 3) var x="10";
- 4) Integer x=10;

Which of the variable declarations are CORRECT?

Options	Response	Answer
1 and 2 only		
1,2 and 3 only	✓	
1 and 3 only		✓
2 and 4 only		

**Question 49:**

Time: 38 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
1 package mypackage1;
2
3 public class Parent {
4 protected Parent(){
5 System.out.print("1 ");
6 }
7 }
8
9 package mypackage2;
10 import mypackage1.Parent;
11
12 public class Child extends Parent{
13 protected Child(){
14 System.out.println("2");
15 }
16 }
17
18 package mypackage2;
19
20 public class ApplicationTester {
21 public static void main(String[] args){
22 Child child = new Child();
23 }
24 }
```

Options	Response	Answer
2		
Compilation error at Line 13: 'Child' constructor cannot be 'protected'		
Compilation error at Line 4: 'Parent' constructor cannot be 'protected'		
1 2	✓	✓

**Question 50:**

Time: 1 Min 30 Sec

Marks: 1/ 1

Consider the Java code given below.

```
public class Rectangle {
 private int length;
 private int width;
 public static void main(String[] args) {
 Rectangle rectangle1 = new Rectangle();
 rectangle1.length=10;
 rectangle1.width=5;
 Rectangle rectangle2 = rectangle1;
 System.out.println("Length : "+rectangle2.length);
 System.out.println("Width : "+rectangle2.width);
 }
}
```

With respect to the above code, identify where the instance variables 'length' and 'width' will be stored in the memory? And where 'rectangle1' will be stored in the memory?

Choose the most appropriate option.

Options	Response	Answer
'length', 'width' and 'rectangle1' will be stored in heap		
'length' and 'width' will be stored in stack, 'rectangle1' will be stored in heap		
'length', 'width' and 'rectangle1' will be stored in stack		
'length' and 'width' will be stored in heap, 'rectangle1' will be stored in stack	✓	✓

## Question-wise Details

### Section #1

#### Question 1:

Time: 51 Sec

Marks: 0 / 1

Consider the table Employee(empld,empName,jobBand). Which is the CORRECT SQL statement to retrieve all UNIQUE jobBand from Employee table ? Choose most appropriate option.

Options	Response	Answer
SELECT jobBand DISTINCT from Employee;		
SELECT DISTINCT jobBand,empld from Employee;		
SELECT DISTINCT(jobBand) from Employee;	✓	
SELECT DISTINCT jobBand from Employee;		✓

#### Question 2:

Time: 33 Sec

Marks: 1 / 1

Consider table Department(deptId,deptName). Which of the following query is used to display the department details whose deptname has second letter as 'a' and second last letter as 'e'? Choose most appropriate option.

Options	Response	Answer
SELECT * FROM department WHERE deptname LIKE '_a%e_';	✓	✓
SELECT * FROM department WHERE deptname LIKE 'a%e_';		
SELECT * FROM department WHERE deptname LIKE '%a%e_';		
SELECT * FROM department WHERE deptname LIKE 'a%e%';		

**Question 3:**

Time: 48 Sec

Marks: 0/ 1

Consider the table Products(pid,pname,pcost). Identify the appropriate SQL statement to rename the table to ProductsInfo . Choose most appropriate option.

Options	Response	Answer
ALTER TABLE Products RENAME ProductsInfo;	✓	
ALTER TABLE Products UPDATE TO ProductsInfo;		
ALTER TABLE RENAME Products TO ProductsInfo;		
ALTER TABLE Products RENAME TO ProductsInfo;		✗

**Question 4:**

Time: 47 Sec

Marks: 0/ 1

Consider the table Employee(empid,jobBand).

Which is the CORRECT DML statement to update the job band of all employees to NULL? Choose most appropriate option.

Options	Response	Answer
UPDATE TABLE employee SET jobBand is NULL;	✓	
UPDATE employee SET jobBand = NULL;		✓
UPDATE TABLE employee SET jobBand = NULL;		
UPDATE employee SET jobBand is NULL;		

**Question 5:**

Time: 34 Sec

Marks: 0/ 1

# Shout4Education

Identify the CORRECT statements with respect to constraints.

- (i) A table can have only one FOREIGN KEY
- (ii) A column with UNIQUE constraint cannot have NULL value

choose most appropriate option.

Options	Response	Answer
only (i)	✓	
only (ii)		
both (i) and (ii)		
neither (i) nor (ii)		✓

## Question 6:

Time: 35 Sec

Marks: 1/ 1

Identify the CORRECT statement(s)

- (a) A column with UNIQUE constraint can have NULL values
- (b) FOREIGN KEY column can have NULL values
- (c) A TABLE can have more than one PRIMARY KEY column
- (d) FOREIGN KEY column can refer to PRIMARY KEY column of same table only

Choose most appropriate option.

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Options	Response	Answer
a and b	✓	✓
a and d		
b and c		
a, b and d		

## Question 7:

Time: 26 Sec

Marks: 1 / 1

Consider the table Project(ProjectId, ProjectName, ProjectType) is created without any constraint and has the records as per the attachment.

ProjectId	ProjectName	ProjectType
P1	FIN	A1
P2	SALE	A2
P1	FIN	A1

Identify the ALTER statement which executes successfully on project table. Choose most appropriate option.

# Shout4Education

Options	Response	Answer
ALTER TABLE Project ADD CONSTRAINT proj_pk PRIMARY KEY(ProjectId);		
ALTER TABLE Project ADD CONSTRAINT proj_uq UNIQUE(ProjectName);		
ALTER TABLE Project ADD CONSTRAINT proj_nn NOT NULL(ProjectType);		
ALTER TABLE Project ADD CONSTRAINT proj_chk CHECK(ProjectType IN('A1','A2'));	✓	✓

## Question 8:

Time: 1 Min 28 Sec

Marks: 0/ 1

Consider table Students(studentId, branchid). Identify the CORRECT SQL statement to retrieve the branches which has more than 3 students. Choose most appropriate option.

Options	Response	Answer
SELECT branchid FROM Students WHERE COUNT(*) > 3 GROUP BY branchid;		
SELECT branchid FROM Students HAVING COUNT(*) > 3;		
SELECT branchid FROM Students GROUP BY studentId HAVING COUNT(*) > 3;	✓	
SELECT branchid FROM Students GROUP BY branchid HAVING COUNT(*) > 3;		✓

## Question 9:

Time: 3 Min 0 Sec

Marks: 0/ 1

# **Shout4Education**

Consider the table Account (accid, balance, accountType). The following constraints to be enforced.

1. Accid should be unique and Not Null

2. Account type should be 'C' or 'S'. Balance should be greater than 1000 and 3000 for account type 'C' and 'S' respectively

Identify the CORRECT SQL statement to create the Account table with the above mentioned constraints. Choose most appropriate option.

# Shout4Education

Options	Response	Answer
CREATE TABLE account( accid NUMBER(2) CONSTRAINT acc_pk PRIMARY KEY, balance NUMBER(4), accountType CHAR, CONSTRAINT acc_chk CHECK (accountType='S' AND balance>3000) AND (accountType='C' AND balance >1000) );		
CREATE TABLE account( accid NUMBER(2) CONSTRAINT acc_pk1 PRIMARY KEY, balance NUMBER(4) CONSTRAINT acc_chk CHECK(balance>1000 OR balance >3000), accountType CHAR CONSTRAINT acc_chk CHECK (accountType='S' OR accountType='C') );	✓	
CREATE TABLE account( accid NUMBER(2) CONSTRAINT acc_pk PRIMARY KEY, balance NUMBER(4), accountType CHAR, CONSTRAINT acc_chk1 CHECK (accountType='S' AND balance>3000), CONSTRAINT acc_chk2 CHECK (accountType='C' AND balance >1000) );		
CREATE TABLE account( accid NUMBER(2) CONSTRAINT acc_pk PRIMARY KEY, balance NUMBER(4), accountType CHAR, CONSTRAINT acc_chk CHECK ( (accountType='S' AND balance>3000) OR (accountType='C' AND balance >1000) );		✓

Question 10:

Time: 1 Min 23 Sec

Marks: 1/ 1

# Shout4Education

You are suppose to create a table "ExamResult" with the following description. studentId NUMBER(4), courseld VARCHAR2(10), mark NUMBER(3) There should not be duplicate combination of studentId and courseld in any record. Identify the correct DDL statement to create ExamResult table. Choose the most appropriate option.

Options	Response	Answer
CREATE TABLE ExamResult( studentId NUMBER(4), courseld VARCHAR2(10), mark NUMBER(3), CONSTRAINT er_pk PRIMARY KEY(studentId, courseld));	✓	✓
CREATE TABLE ExamResult( studentId NUMBER(4) CONSTRAINT stud_pk PRIMARY KEY, courseld VARCHAR2(10) CONSTRAINT cid_pk PRIMARY KEY, mark NUMBER(3));		
CREATE TABLE ExamResult( (studentId NUMBER(4), courseld VARCHAR2(10) ) CONSTRAINT er_pk PRIMARY KEY, mark NUMBER(3));		
CREATE TABLE ExamResult( studentId NUMBER(4), courseld VARCHAR2(10), mark NUMBER(3), CONSTRAINT er_pk COMPOSITE PRIMARY KEY(studentId, courseld));		

---

## Question 11:

Time: 1 Min 29 Sec

Marks: 0/ 1

Consider table player(playerid, playername, runs\_scored, playergroup). Identify the CORRECT SQL statement to retrieve the details of players who have scored runs which is greater than the average of runs scored by all players in his player group. Choose most appropriate option.

# Shout4Education

Options	Response	Answer
SELECT p1.playerid, p1.playername, p1.runs_scored FROM player p1 WHERE AVG(p1.runs_scored)>( SELECT AVG(p2.runs_scored) FROM player p2 WHERE p1.playergroup=p2.playergroup);		
SELECT playerid, playername, runs_scored FROM player WHERE runs_scored>( SELECT AVG(runs_scored) FROM player);	✓	
SELECT p1.playerid, p1.playername, p1.runs_scored FROM player p1 WHERE p1.runs_scored>( SELECT p2.runs_scored FROM player p2 GROUP BY p2.playergroup HAVING p2.runs_scored>AVG(p2.runs_scored)) ;		
SELECT p1.playerid, p1.playername, p1.runs_scored FROM player p1 WHERE p1.runs_scored>( SELECT AVG(p2.runs_scored) FROM player p2 WHERE p1.playergroup=p2.playergroup);		✓

Question 12:

Time: 44 Sec

Marks: 0/ 1

# Shout4Education

Consider the Tables given below:

Product(productId,productName)

ProductOrder(orderId,productId,quantity)

productId column of ProductOrder is a Foreign key referring to Product Table. Identify the appropriate SQL statement which will fetch the ProductId,ProductName,OrderId for all the Product ordered and display 'Yet to be Ordered' if a product has not been ordered till now.

Choose most appropriate option.

Options	Response	Answer
<pre>SELECT p1.productId,p1.productName,NVL(p2. orderId,'Yet to be Ordered') FROM Product p1 INNER JOIN ProductOrder p2 ON p1.productId=p2.productId;</pre>	✓	
<pre>SELECT p1.productId,p1.productName,NVL(p2. orderId,'Yet to be Ordered') FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;</pre>		✓
<pre>SELECT p1.productId,p1.productName,NVL(p2. orderId,'Yet to be Ordered') FROM Product p1 RIGHT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;</pre>		
<pre>SELECT p1.productId,p1.productName,NVL('Yet to be Ordered',p2.orderId) FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;</pre>		

# Shout4Education

Question 13:

Time: 18 Sec

Marks: 1 / 1

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4 <script>
5 var x = (3 + 3) + 4 + "6";
6 alert(x); //line 1
7 </script>
8 </body>
9 </html>
10
```

What will be printed in alert box in line 1? Choose most appropriate option.

Options	Response	Answer
3346		
646		
106	✓	✓
16		

Question 14:

Time: 10 Sec

Marks: 1 / 1

What would be the output of the javascript code given below?

```
1 <html>
2 <head>
3 <script>
4 var data=10;
5 document.write(typeof(data));
6 </script>
7 </head>
8 </html>
9
```

Options	Response	Answer
int		
number	✓	✓
integer		
numberType		

**Question 15:**

Time: 12 Sec

Marks: 1/ 1

Which of the following is the correct html form element to create the checkbox in a web page? Choose most appropriate option.

Options	Response	Answer
<checkbox>		
<input=checkbox>		
<input type="checkbox">	✓	✓
<input checkbox>		

**Question 16:**

Time: 31 Sec

Marks: 1/ 1

Which is the correct CSS code to display the text "Accenture" in light grey back ground? Choose most appropriate option.

Options	Response	Answer
<h2 style = "background-color : lightgrey">Accenture</h2>	✓	✓
<h2 background-color : lightgrey>Accenture</h2>		
<h2 style = "background-color(lightgrey)">Accenture</h2>		
<h2 style = "background-color = lightgrey">Accenture</h2>		

**Question 17:**

Time: 2 Min 4 Sec

Marks: 0/ 1

What would be the output of the java script code given below?

```
1 <html>
2 <head>
3 <script>
4 var data1=100;
5 function test()
6 {
7 var data1=200;
8 window.data1=data1+10;
9 }
10 test();
11 document.write(data1);
12 </script>
13 </head>
14 <body>
15 </body>
16 </html>
17
```

Choose most appropriate option.

Options	Response	Answer
100	✓	
200		
210		✓
110		

**Question 18:**

Time: 19 Sec

Marks: 1/ 1

# Shout4Education

Which of the following are CSS selectors?

(i) Element Selector

(ii) Class Selector

(iii) Style Selector

Options	Response	Answer
(i) and (ii) only	✓	✓
(ii) and (iii) only		
(i) and (iii) only		
(i), (ii) and (iii)		

Question 19:

Time: 19 Sec

Marks: 1/ 1

# Shout4Education

Refer the HTML code given below.

```
1 <html>
2 <body>
3 <table border="1">
4 <tr>
5 <th>A</th>
6 <th colspan="2">B</th>
7 </tr>
8 <tr>
9 <th rowspan="3">C</th>
10 <th>D</th>
11 <th>E</th>
12 </tr>
13 <tr>
14 <th>A</th>
15 <th>B</th>
16 </tr>
17 <tr>
18 <th>D</th>
19 <th>E</th>
20 </tr>
21 </table>
22 </body>
23</html>
```

How many cells will be displayed when the page is displayed on the browser? Choose most appropriate option.

Options	Response	Answer
8		
11		
10		
9	✓	✓

**Question 20:**

Time: 33 Sec

Marks: 1/ 1

# Shout4Education

Refer the HTML code given below.

```
1 <html> <body>
2 <table border="1">
3 <tr><th>A</th>
4 <th colspan="2">B</th>
5 </tr>
6 <tr> <th rowspan="3">C</th>
7 <th>D</th>
8 <th>E</th>
9 </tr>
10 <tr>
11 <th>A</th>
12 <th rowspan="2">B</th>
13 </tr>
14 <tr>
15 <th>D</th>
16 </tr>
17 </table>
18 </body>
19 </html>
20
```

How many cells will be displayed when the page is displayed on the browser? Choose most appropriate option.

Options	Response	Answer
7		
10		
9		
8	✓	✓

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16/18

## Question-wise Details

### Section #1

#### Question 1:

Time: 29 Sec

Marks: 0/ 1

Consider the table Employee(empid,jobBand).

Which is the CORRECT DML statement to update the job band of all employees to NULL? Choose most appropriate option.

Options	Response	Answer
UPDATE TABLE employee SET jobBand is NULL;		
UPDATE employee SET jobBand = NULL;		✓
UPDATE TABLE employee SET jobBand = NULL;	✓	
UPDATE employee SET jobBand is NULL;		

#### Question 2:

Time: 29 Sec

Marks: 1/ 1

Consider the table Employee(empld,empName,jobBand). Which is the CORRECT SQL statement to retrieve all UNIQUE jobBand from Employee table ? Choose most appropriate option.

Options	Response	Answer
SELECT jobBand DISTINCT from Employee;		
SELECT DISTINCT jobBand,empld from Employee;		
SELECT DISTINCT(jobBand) from Employee;		
SELECT DISTINCT jobBand from Employee;	✓	✓

**Question 3:**

Time: 25 Sec

Marks: 1/ 1

Consider the table Products(pid, pname, pcost). Identify the appropriate SQL statement to rename the table to ProductsInfo . Choose most appropriate option.

Options	Response	Answer
ALTER TABLE Products RENAME ProductsInfo;		
ALTER TABLE Products UPDATE TO ProductsInfo;		
ALTER TABLE RENAME Products TO ProductsInfo;		
ALTER TABLE Products RENAME TO ProductsInfo;	✓	✓

**Question 4:**

Time: 30 Sec

Marks: 1/ 1

Consider table Department(deptId,deptName). Which of the following query is used to display the department details whose deptname has second letter as 'a' and second last letter as 'e'? Choose most appropriate option.

Options	Response	Answer
SELECT * FROM department WHERE deptname LIKE '_a%e_';	✓	✓
SELECT * FROM department WHERE deptname LIKE 'a%e_';		
SELECT * FROM department WHERE deptname LIKE '%a%e_';		
SELECT * FROM department WHERE deptname LIKE 'a%e%';		

**Question 5:**

Time: 55 Sec

Marks: 1/ 1

# Shout4Education

Consider table Account(acclId, acctype, balance). Identify the appropriate SQL statement to display account details in the ascending order of balance and in the descending order of acclId if the balance is same. choose most appropriate option.

Options	Response	Answer
SELECT * FROM Account ORDER BY balance, acclId DESC;	✓	✓
SELECT * FROM Account ORDER BY balance ASC, acclId;		
SELECT * FROM Account ORDER BY acclId DESC, balance ASC;		
SELECT * FROM Account ORDER BY acclId DESC, balance;		

## Question 6:

Time: 45 Sec

Marks: 1/ 1

Consider table Employee(empid, empname, jobband). Choose the CORRECT SQL statement to retrieve all employee ids along with their job band. If job band is not assigned to an employee, then it should display 'NA' as job band(Note: Data type of column jobBand is VARCHAR2). Choose most appropriate option.

Options	Response	Answer
SELECT empid, NVL(jobband),'NA' FROM Employee;		
SELECT empid, NVL(jobband,NULL,'NA') FROM Employee;		
SELECT empid, NVL(NULL,'NA',jobband)FROM Employee;		
SELECT empid, NVL(jobband,'NA') FROM Employee;	✓	✓

## Question 7:

Time: 1 Min 34 Sec

Marks: 1/ 1

# Shout4Education

Consider table Students(sid NUMBER(3), sname VARCHAR2(10), scontact NUMBER(10) ) is already created in the database. It is required to change the data type of the column "scontact" to VARCHAR2(15). Which of the following is Correct for the above requirement?

Note: sid column is primary key.

Choose most appropriate option.

Options	Response	Answer
To change the data type of a column, it is important to ensure that the corresponding column is not having data for any of the record	✓	✓
There are no criteria to be followed. We can change the datatype of the column irrespective of the data		
Data type can be changed only for primary key column		
It is not possible to change the data type of a column		

**Question 8:**

Time: 1 Min 20 Sec

Marks: 1/ 1

# Shout4Education

Consider table Player(playerId NUMBER(4), playerType NUMBER(1)) has following records.

PlayerId PlayerType

-----  
555 1

666

777 2

888 1

Identify the appropriate SQL statement to display player details. If there is no value for player type, then it should display "No Type".

Choose most appropriate option.

Options	Response	Answer
SELECT playerId, NVL(TO_CHAR(playerType), 'No Type') FROM Player;	✓	✓
SELECT playerId, NVL(playerType, 'No Type') FROM Player;		
SELECT playerId, NVL(playerType) AS "No Type" FROM Player;		
SELECT playerId, NVL(TO_CHAR(playerType) AS "No Type" FROM Player;		

**Question 9:**

Time: 3 Min 3 Sec

Marks: 1/ 1

Consider the table Account (accid, balance, accountType). The following constraints to be enforced.

1. Accid should be unique and Not Null

2. Account type should be 'C' or 'S'. Balance should be greater than 1000 and 3000 for account type 'C' and 'S' respectively

Identify the CORRECT SQL statement to create the Account table with the above mentioned constraints. Choose most appropriate option.

# Shout4Education

Options	Response	Answer
CREATE TABLE account( accid NUMBER(2) CONSTRAINT acc_pk PRIMARY KEY, balance NUMBER(4), accountType CHAR, CONSTRAINT acc_chk CHECK (accountType='S' AND balance>3000) AND (accountType='C' AND balance >1000) );		
CREATE TABLE account( accid NUMBER(2) CONSTRAINT acc_pk1 PRIMARY KEY, balance NUMBER(4) CONSTRAINT acc_chk CHECK(balance>1000 OR balance >3000), accountType CHAR CONSTRAINT acc_chk CHECK (accountType='S' OR accountType='C') );		
CREATE TABLE account( accid NUMBER(2) CONSTRAINT acc_pk PRIMARY KEY, balance NUMBER(4), accountType CHAR, CONSTRAINT acc_chk1 CHECK (accountType='S' AND balance>3000), CONSTRAINT acc_chk2 CHECK (accountType='C' AND balance >1000) );		
CREATE TABLE account( accid NUMBER(2) CONSTRAINT acc_pk PRIMARY KEY, balance NUMBER(4), accountType CHAR, CONSTRAINT acc_chk CHECK ( (accountType='S' AND balance>3000) OR (accountType='C' AND balance >1000) );	✓	✓

Question 10:

Time: 2 Min 22 Sec

Marks: 1/ 1

# Shout4Education

Consider the below tables.

Customer(customerId,customerName) - customerId is primary key Account(accountId,accountType,balance,customerId) - accountId is primary key and customerId is foreign key.

Which is the CORRECT SQL statement to retrieve customerId, customerName, accountId and balance for all customers. It should also display the details of the customers who are not having any account.

Choose most appropriate option.

Options	Response	Answer
SELECT c.customerId,c.customerName,a.accou ntId,a.balance FROM customer c RIGHT OUTER JOIN account a ON c.customerId=a.customerId;		
SELECT c.customerId,c.customerName,a.accou ntId,a.balance FROM account a LEFT OUTER JOIN customer c ON c.customerId=a.customerId;		
SELECT c.customerId,c.customerName,a.accou ntId,a.balance FROM customer c INNER JOIN account a ON c.customerId=a.customerId;		
SELECT c.customerId,c.customerName,a.accou ntId,a.balance FROM account a RIGHT OUTER JOIN customer c ON c.customerId=a.customerId;	✓	✓

Question 11:

Time: 1 Min 22 Sec

Marks: 1 / 1

# Shout4Education

Consider table player(playerid, playername, runs\_scored, playergroup). Identify the CORRECT SQL statement to retrieve the details of players who have scored runs which is greater than the average of runs scored by all players in his player group. Choose most appropriate option.

Options	Response	Answer
<pre>SELECT p1.playerid, p1.playername, p1.runs_scored FROM player p1 WHERE AVG(p1.runs_scored)&gt;( SELECT AVG(p2.runs_scored) FROM player p2 WHERE p1.playergroup=p2.playergroup);</pre>		
<pre>SELECT playerid, playername, runs_scored FROM player WHERE runs_scored&gt;( SELECT AVG(runs_scored) FROM player);</pre>		
<pre>SELECT p1.playerid, p1.playername, p1.runs_scored FROM player p1 WHERE p1.runs_scored&gt;( SELECT p2.runs_scored FROM player p2 GROUP BY p2.playergroup HAVING p2.runs_scored&gt;AVG(p2.runs_scored)) ;</pre>		
<pre>SELECT p1.playerid, p1.playername, p1.runs_scored FROM player p1 WHERE p1.runs_scored&gt;( SELECT AVG(p2.runs_scored) FROM player p2 WHERE p1.playergroup=p2.playergroup);</pre>	✓	✓

## Question 12:

Time: 1 Min 40 Sec

Marks: 1/ 1

Consider table Employee(EmpId, EmpName,salary,deptNo). Which is the CORRECT SQL statement to list employees whose salary is more than their department's average salary? The result should be in ascending order of department number. Choose most appropriate option.

# Shout4Education

Options	Response	Answer
SELECT e1.empId, e1.empName, e1.salary, e1.deptNo FROM employee e1 WHERE e1.salary > (SELECT avg(e2.salary) FROM employee e2) ORDER BY e1.deptNo;		
SELECT e1.empId, e1.empName, e1.salary, e1.deptNo FROM employee e1 ORDER BY e1.deptNo WHERE e1.salary > (SELECT avg(e2.salary) FROM employee e2 WHERE e2.deptNo = e1.deptNo);		
SELECT e1.empId, e1.empName, e1.salary, e1.deptNo FROM employee e1 WHERE avg(e1.salary) > (SELECT e2.salary FROM employee e2 WHERE e2.deptNo = e1.deptNo) ORDER BY e1.deptNo;		
SELECT e1.empId, e1.empName, e1.salary, e1.deptNo FROM employee e1 WHERE e1.salary > (SELECT avg(e2.salary) FROM employee e2 WHERE e2.deptNo = e1.deptNo) ORDER BY e1.deptNo;	✓	✓

## Question 13:

Time: 24 Sec

Marks: 1/ 1

What would be the output of the javascript code given below?

```
1 <html>
2 <head>
3 <script>
4 var data=10;
5 document.write(typeof(data));
6 </script>
7 </head>
8 </html>
9
```

# Shout4Education

Options	Response	Answer
int		
number	✓	✓
integer		
numberType		

## Question 14:

Time: 8 Sec

Marks: 1/ 1

Which of the following are the CSS selectors?

- a) Element Selector
- b) Form Selector
- c) Class Selector

Choose most appropriate option.

Options	Response	Answer
a and b		
a and c	✓	✓
b and c		
a, b and c		

## Question 15:

Time: 11 Sec

Marks: 1/ 1

# Shout4Education

Which of the following is/are the inline html elements?

(i) <i>

(ii) <h6>

(iii) <a>

Choose most appropriate option.

Options	Response	Answer
(i) and (iii)	✓	✓
(ii) and (iii)		
only (i)		
(i), (ii) and (iii)		

Question 16:

Time: 54 Sec

Marks: 1 / 1

# Shout4Education

Refer the incomplete HTML Code given below

```
1 <html>
2 <body>
3 <form action="abc.html" _____> <!--Line1-->
4 First Name: <input type="text" name="f1"/>
5

6 Last Name: <input type="text" name="l1"/>
7

8 Password: <input type="password" name="p1"/>
9

10 <input type="submit" value="Submit"/> </form>
11 </body>
12 </html>
13
```

Assume abc.html is existing and a valid HTML page. Identify the appropriate option to be placed at Line1 so that values entered in the text boxes are not appended to URL while submitting to abc.html . Choose most appropriate option.

Options	Response	Answer
method="GET"		
method="POST"	✓	✓
submit="GET"		
submit="POST"		

Question 17:

Time: 12 Sec

Marks: 1/ 1

# Shout4Education

What would be the Output of the below java script Code?

```
1 <html>
2 <body>
3 <script>
4 var x = 5;
5 var d = (x != "5");
6 document.write(d + "--");
7 d = (x === "5");
8 document.write(d);
9 </script>
10 </body>
11 </html>
12
```

Choose most appropriate option.

Options	Response	Answer
false--false	✓	✓
false--true		
true--false		
true--true		

Question 18:

Time: 47 Sec

Marks: 1/1

# Shout4Education

What would be the output of the java script code given below?

```
1 <html>
2 <head>
3 <script>
4 function print()
5 {
6 var value1=1;
7 var value2="2";
8 var value3=2;
9 if(value2==value3)
10 {
11 alert(value1+value3);
12 }
13 else
14 {
15 alert(value1+value2);
16 }
17 }
18 print();
19 </script>
20 </head>
21</html>
```

Choose most appropriate option.

Options	Response	Answer
3		
12	✓	✓
122		
32		

Question 19:

Time: 7 Sec

Marks: 1/ 1

# Shout4Education

Consider the javascript code given below. What would be the print values from line 1 and line 2 on execution?

```
1 <html>
2 <body>
3 <p id="id1"></p><!-- line 1-->
4 <p id="id2"></p><!-- line 2-->
5 <script>
6 var y=10;
7 myFunction();
8 document.getElementById("id1").innerHTML = y;
9 document.getElementById("id2").innerHTML = window.y;
10 function myFunction()
11 {
12 y=20;
13 y=y+window.y
14 }
15 </script>
16 </body>
17 </html>
18
```

Choose most appropriate option.

Options	Response	Answer
10 30		
10 40		
10 10		
40 40	✓	✓

**Question 20:**

Time: 32 Sec

Marks: 1/ 1

# Shout4Education

Refer the HTML code given below.

```
1 <html>
2 <body>
3 <table border="1">
4 <tr>
5 <th>A</th>
6 <th colspan="2">B</th>
7 </tr>
8 <tr>
9 <th rowspan="3">C</th>
10 <th>D</th>
11 <th>E</th>
12 </tr>
13 <tr>
14 <th>A</th>
15 <th>B</th>
16 </tr>
17 <tr>
18 <th>D</th>
19 <th>E</th>
20 </tr>
21 </table>
22 </body>
23</html>
```

How many cells will be displayed when the page is displayed on the browser? Choose most appropriate option.

Options	Response	Answer
8		
11		
10		
9	✓	✓

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## Question-wise Details

### Section #1

#### Question 1:

Time: 11 Sec

Marks: 1/ 1

Consider the Java code given below and determine how many objects and how many references are used in the Java code. Assume that Student is a valid Java class.

```
1 public class StudentTester{
2 public static void main(String[] args)
3 {
4 Student s1=new Student();
5 Student s2=new Student();
6 Student s3=s1;
7 Student s4=s1;
8 }
9 }
10
```

Choose the most appropriate option.

Options	Response	Answer
2 Objects and 4 references	✓	✓
4 Objects and 2 references		
2 Objects and 2 references		
3 Objects and 4 references		

#### Question 2:

Time: 14 Sec

Marks: 1/ 1

# Shout4Education

Which of the following statements are valid array declaration?

(A) int number();

(B) float average[];

(C) double[] marks;

(D) counter int[];

Choose most appropriate option.

Options	Response	Answer
(A)		
(A) & (C)		
(D)		
(B) & (C)	✓	✓

Question 3:

Time: 28 Sec

Marks: 1/ 1

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What will be the output of the following Java code?

```
public class ApplicationTester

{

 public static void main(String[] args)

 {

 int[] array = new int[10];

 System.out.println(array.length);

 array[0] = 11;

 array[1] = 22;

 array[2] = 33;

 System.out.println(array.length);

 }

}
```

Choose the most appropriate option.

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Options	Response	Answer
Program will display 0 and 3		
Program will display 10 and 10	✓	✓
Program will display 10 and 3		
Program will display null and 3		

Question 4:

Time: 18 Sec

Marks: 1/ 1

## Shout4Education

Consider the Java code given below and determine how many objects and how many references are used in the Java code.  
Assume that Student is a valid Java class.

```
public class StudentTester

{

 public static void main(String[] args)

 {

 Student s1 = new Student();

 Student s2 = new Student();

 Student s3 = s1;

 Student s4 = s1;

 }

}
```

Choose the most appropriate option.

# Shout4Education

Options	Response	Answer
2 Objects and 2 references		
4 Objects and 2 references		
2 Objects and 4 references	✓	✓
3 Objects and 4 references		

## Question 5:

Time: 19 Sec

Marks: 1/ 1

Which of the following statement/s is/are TRUE?

- (1) Java supports multilevel inheritance
- (2) Super keyword is used to invoke methods from the parent class

Choose the most appropriate option.

Options	Response	Answer
Only (1) is TRUE		
Only (2) is TRUE		
Both (1) and (2) are TRUE	✓	✓
Neither (1) Nor (2) are TRUE		

## Question 6:

Time: 24 Sec

Marks: 1/ 1

# Shout4Education

What will be the output of the following Java code?

```
1 public class ApplicationTester
2 {
3 public static void main(String[] args)
4 {
5 char ch='4';
6 switch(ch)
7 {
8 case'2': System.out.println("Hello");
9 break;
10 default: System.out.println("Hello");
11 case'1': System.out.println("Hello");
12 case'3': System.out.println("Hello");
13 break;
14 }
15 }
16 }
```

Choose the most appropriate option.

Options	Response	Answer
"Hello" will be displayed once		
"Hello" will be displayed 3 times	✓	✓
Compilation error: Invalid use of 'switch' statement		
"Hello" will be displayed 2 times		

## Question 7:

Time: 34 Sec

Marks: 1/ 1

Which of the following is a VALID declaration of an abstract method? Choose the most appropriate option.

Options	Response	Answer
public void drive();		
public abstract void drive();	✓	✓
public abstract void drive() {}		
public abstract drive() {}		

**Question 8:**

Time: 1 Min 21 Sec

Marks: 1/ 1

Consider the following code snippet and predict the output:

```
1 public interface I
2 {
3 int x; //Line-1
4 public void display();
5 }
6 public class C implements I //Line-2
7 {
8 public void display()
9 {
10 System.out.println("Hello");
11 }
12 }
13 public class TestInterface{
14 public static void main(String[] args)
15 {
16 I i=new C(); //Line-3
17 i.display();
18 }
19 }
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error at Line-1 : The blank final field 'x' may not have been initialized	✓	✓
Compilation error at Line-2 : class C cannot implement interface I		
Compilation error at Line-3 : Cannot have a reference of interface type I		
It will print : Hello		

**Question 9:**

Time: 56 Sec

Marks: 1/ 1

# Shout4Education

What will be the output of the following Java code?

```
1 public abstract class Employee
2 {
3 public abstract Employee()
4 {
5 System.out.print(" 1 ");
6 }
7 }
8 public class ProjectManager extends Employee
9 {
10 public ProjectManager()
11 {
12 System.out.print(" 2 ");
13 }
14 }
15 public class ApplicationTester
16 {
17 public static void main(String[] args)
18 {
19 Employee emp=new ProjectManager();
20 }
21 }
```

Choose the most appropriate option.

Options	Response	Answer
2		
Compilation Error: Illegal modifier for the constructor in type Employee	✓	✓
1		
1 2		

Question 10:

Time: 1 Min 7 Sec

Marks: 0/1

# Shout4Education

Consider the following Java code:

```
1 public class Employee
2 {
3 int empNo;
4 public void setEmpNo(int num)
5 {
6 this.empNo=num;
7 }
8 public int getEmpNo()
9 {
10 return this.empNo;
11 }
12 }
13 }
```

With respect to Employee class identify where empNo and num are stored in the memory? Choose the most appropriate option.

Options	Response	Answer
empNo' and 'num' both are stored in heap	✓	
empNo' and 'num' both are stored in stack		
'empNo' is stored in heap and 'num' is stored in stack		✓
empNo' is stored in stack and 'num' is stored in heap		

---

**Question 11:**

Time: 1 Min 9 Sec

Marks: 0/1

# Shout4Education

Refer to the below code and predict the output.

```
1 public class Test
2 {
3 public static void main(String[] args)
4 {
5 String x=new String("xyz");
6 String y="abc";
7 x=x+y;
8 }
9 }
```

How many String objects are created in the above code? Choose the most appropriate option

Options	Response	Answer
2		
3		✓
1	✓	
4		

## Question 12:

Time: 2 Min 13 Sec

Marks: 1/ 1

What is the output expected for the below code ?

```
1 public class ConstructorTest
2 {
3 private ConstructorTest(int w)
4 {
5 System.out.println(w);
6 }
7 public static ConstructorTest() { //Line-6
8 System.out.println(10);
9 }
10 public static void main(String args[])
11 {
12 ConstructorTest obj=new ConstructorTest(50);
13 }
14 }
```

Choose most appropriate option.

Options	Response	Answer
10		
10 50		
50		
Won't compile because of Line-6, constructor can't be static	✓	✓

## Question 13:

Time: 1 Min 46 Sec

Marks: 1/ 1

You have three packages, p1,p2 and p3. What is the expected output of compiling and running file Tester in p3 package?

```
1 package p1;
2 public class Account
3 {
4 protected Account () { //line3
5 System.out.println("Account");
6 }
7 }
8 package p2;
9 import p1.Account;
10 public class CurrentAccount extends Account
11 {
12 public CurrentAccount()
13 {
14 System.out.println("CurrentAccount");
15 }
16 }
17 package p3;
18 import p1.Account;
19 import p2.CurrentAccount; //line3
20 public class Tester
21 {
22 public static void main(String[] args)
23 {
24 Account c=new Account(); //line6
25 CurrentAccount ca=new CurrentAccount();
26 }
27 }
28 }
```

Choose most appropriate option.

Options	Response	Answer
Account CurrentAccount		
Compilation error at line3 in package p1: Invalid access specifier 'protected' for 'Account'		
Compilation error at line3 in package p3: Cannot import 'CurrentAccount' class		
Compilation error at line6 in package p3: Constructor 'Account' is not visible	✓	✓

## Question 14:

Time: 30 Sec

Marks: 1/ 1

Consider the following Java code:

```
1 public class Student
2 {
3 private String name;
4 private int rollNumber;
5 //getterandsettermethods
6 }
7 public class Faculty
8 {
9 private String name;
10 private Student student;
11 public void setStudent(Student student)
12 {
13 this.student=student;
14 }
15 }
```

Identify the relationship that exists between class Student and class Faculty. Choose the most appropriate option.

Options	Response	Answer
Composition		
Inheritance		
There is no relationship between the given two classes		
Aggregation	✓	✓

**Question 15:**

Time: 1 Min 8 Sec

Marks: 1/ 1

Consider the following Java code:

```
1 public class ApplicationTester
2 {
3 public static void main(String[] args)
4 {
5 int i=1;
6 while(i<=5)
7 {
8 if(i==2)
9 {
10 i++;
11 continue;
12 }
13 if(i==3)
14 {
15 break;
16 }
17 i++;
18 System.out.println("Hello");
19 }
20 }
21 }
```

When the above code is executed, how many time/times "Hello" will be printed on the console? Choose the most appropriate option.

Options	Response	Answer
1 time	✓	✓
2 times		
3 times		
5 times		

**Question 16:**

Time: 34 Sec

Marks: 1 / 1

Refer to the below code and predict the output

```
1 interface A
2 {
3 public void method1();
4 }
5 class Demo implements A
6 {
7 public void method1()
8 {
9 System.out.println("1");
10 }
11 }
12 class ParentTest extends Demo
13 {
14 public void method1()
15 {
16 System.out.println("2");
17 }
18 }
19 public class Test extends ParentTest
20 {
21 public static void main(String[] args)
22 {
23 A a=new ParentTest();
24 a.method1();
25 }
26 }
```

Choose the most appropriate Option:

Options	Response	Answer
2	✓	✓
1		
1,2		
2,1		

**Question 17:**
**Time: 43 Sec**
**Marks: 1 / 1**

Consider the Java code given below and predict what will be the output?

```

1 package x;
2 public class Student
3 {
4 void display(){ //Line-1
5 System.out.println("Hello");
6 }
7 }
8 package y;
9 import x.Student;//Line-2
10 public class TestFinalClass
11 {
12 public static void main(String[] args)
13 {
14 Student s=new Student();
15 s.display(); //Line-3
16 }
17 }
18

```

Choose the most appropriate option.

Options	Response	Answer
Compilation error at Line-3 : The method display from type Student is not visible	✓	✓
Compilation error at Line-2 : Cannot import class Student from package x		
It will print Hello		
Compilation error at Line-1 : No access specifier defined for method display		

**Question 18:**

Time: 1 Min 2 Sec

Marks: 1/ 1

Consider the following Java code (Assume that Employee is a valid Java class):

```
1 public class ApplicationTester{
2 public static void main(String[] args)
3 {
4 Employee emp1=newEmployee();
5 Employee emp2=newEmployee();
6 Employee emp3=newEmployee();
7 Employee emp4=emp1;
8 emp1=emp3;
9 emp4=null;
10 emp2=emp4; //Line-1
11 //some valid Java code
12 }
13}
14
```

With respect to the above code, how many object/objects will be eligible for garbage collection after Line-1? Choose the most appropriate option.

Options	Response	Answer
1		
2	✓	✓
3		
0		

**Question 19:**

Time: 38 Sec

Marks: 1/ 1

# Shout4Education

Refer to the below code and predict the output.

```
1 public class Test
2 {
3 public static void main(String[] args)
4 {
5 int i=10;
6 boolean b=false;
7 if((b==true) && ((i+=10)==20))
8 {
9 System.out.println("We are equal "+i);
10 }
11 else
12 {
13 System.out.println("Not equal! "+i);
14 }
15 }
16}
17
```

Choose the most appropriate option

Options	Response	Answer
Not equal! 10	✓	✓
We are equal! 10		
Not equal! 20		
We are equal! 20		

## Question 20:

Time: 35 Sec

Marks: 1/ 1

What is output obtained on executing the following Java code?

```
1 package pack1;
2 public class A
3 {
4 private int i;
5 private int j;
6 protected A()
7 {
8 i=10;
9 j=20;
10 }
11 public int getI()
12 {
13 return i;
14 }
15 public void setI(int i)
16 {
17 this.i=i;
18 }
19 public int getJ()
20 {
21 return j;
22 }
23 public void setJ(int j)
24 {
25 this.j=j;
26 }
27 public void disp()
28 {
29 System.out.println(i+" "+j);
30 }
31}
32 package pack2;
33 import pack1.A;
34 public class B extends A
35 {
36 public B()
37 {
38 //line1
39 }
40 void display()
41 {
42
43 }
44 }
45 package pack2;
46 import pack1.A;
47 public class MyMain
48 {
49 public static void main(String[] args)
50 {
51 A obj1=new B();
52 obj1.setI(30);
53 obj1.setJ(40);
54 A obj2=obj1;
55 obj2.setI(50);
56 obj1.disp();
57 obj2.disp();
58 }
59 }
60 }
```

Choose most appropriate option.

Options	Response	Answer
30 40 50 40		
50 40 50 40	✓	✓
Compilation error in line 1: Implicit super constructor A() is not visible. Must explicitly invoke another constructor		
30 40 50 20		

**Question 21:**

Time: 17 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
1 public class ApplicationTester
2 {
3 public static void main(String[] args)
4 {
5 for(int i=1;i<=3;i++)
6 {
7 if(i==2)
8 {
9 continue;
10 }
11 for(int j=1;j<=3;j++)
12 {
13 if(j==2)
14 {
15 continue;
16 }
17 System.out.println("GFT");
18 }
19 }
20 }
21 }
22 }
```

Choose the most appropriate option.

Options	Response	Answer
"GFT" will be displayed 9 times		
"GFT" will be displayed 8 times		
"GFT" will be displayed 6 times		
"GFT" will be displayed 4 times	✓	✓

**Question 22:**

Time: 37 Sec

Marks: 0/1

Consider the following Java code:

```
1 package myPackage;
2 public class Employee
3 {
4 private int empNo;
5 private double salary;
6 //getter and setter methods
7 void computeSalary()
8 {
9 //logic to compute salary
10 }
11 }
12
13 package myPackage;
14 public class PackageTester
15 {
16 public static void main(String[] args)
17 {
18 Employee emp=new Employee();
19 //valid Java code
20 emp.computeSalary(); //Line-1
21 }
22 }
23
```

What access specifier can be used for computeSalary() method in Employee class, so that code in Line-1 will execute without any error? Choose the most appropriate option.

## Shout4Education

Options	Response	Answer
Only public	✓	
Only private		
Either public or protected or default		✓
Only default		



Shout4Education

**Started on** Friday, 19 June 2020, 5:07 PM

**State** Finished

**Completed on** Friday, 19 June 2020, 6:04 PM

**Time taken** 57 mins 5 secs

**Grade** 43.00 out of 50.00 (86%)

### Question 1

Correct

Mark 1.00 out of 1.00

What is the approach of OO ?

Select one:

- a. bundle data only for security
- b. bundle data and method ✓
- c. bundle method seperated from data
- d. bundle data seperated from method

The correct answer is: bundle data and method

### Question 2

Correct

Mark 1.00 out of 1.00

What is the term used to define the values that are common across all instances of a class ?

Select one:

- a. Static ✓
- b. Property
- c. Interface
- d. Attribute

The correct answer is: Static

### Question 3

Correct

Mark 1.00 out of 1.00

Select the benefits of OOP ?

Select one or more:

- a. Resuability ✓
- b. Testing
- c. code deployment
- d. Ease of design ✓

The correct answers are: Ease of design, Resuability

### Question 4

Correct

Mark 1.00 out of 1.00

Which of the below terms represents the levels of hierarchy ?

Select one or more:

- a. Multi-Level
- b. Generalization ✓
- c. Aggregation ✓
- d. Compound

The correct answers are: Generalization, Aggregation

## Question 5

Not answered  
Marked out of 1.00

Select the true statements about Use Case diagram ?

Select one or more:

- a. Depicts the boundary of the system
- b. Captures users of the system
- c. Captures attributes and methods
- d. Captures dynamic aspects of the system

The correct answers are: Depicts the boundary of the system, Captures users of the system, Captures dynamic aspects of the system

## Question 6

Incorrect  
Mark 0.00 out of 1.00

Select the principle that best describes the given scenario. An air-condition can be operated using the button or remote control.

Select one:

- a. Encapsulation
- b. Polymorphism
- c. Hierarchy
- d. Abstraction ✗

The correct answer is: Encapsulation

## Question 7

Correct  
Mark 1.00 out of 1.00

\_\_\_\_\_ is not the exact code for solving the problem but it would give us an idea of how the problem is going to be solved.

Select one:

- a. object code
- b. Pseudocode ✓
- c. Structure code
- d. Programming code

Your answer is correct.

The correct answer is: Pseudocode

## Question 8

Correct  
Mark 1.00 out of 1.00

State true or false.

Configuration management is important only during the coding phase

Select one:

- True
- False ✓

The correct answer is 'False'.

## Question 9

Correct  
Mark 1.00 out of 1.00

Enhancements made to the developed software is called as .....

Select one:

- a. Design
- b. Testing

The correct answer is: Maintenance

## Question 10

Correct

Mark 1.00 out of 1.00

State true or false. Black box testers can proceed with generating the test cases immediately after the SRS is freezed in the analysis phase

Select one:

a. True ✓

b. False

The correct answer is 'True'.

## Question 11

Incorrect

Mark 0.00 out of 1.00

ERD Example: Consider the given scenario. ZEE public school Library. A Library has many books. Each Book has many chapters. Identify the cardinality between Chapter and Book

Select one:

a. m..1

b. 0..0

c. m..m ✗

d. 0..m

The correct answer is: m..1

## Question 12

Correct

Mark 1.00 out of 1.00

A Software needs to be developed for a Sterlin Hospital to monitor the radiations given for cancer patients. Even a very minute deviation would result in the risk of the life of the patient. Which would be the appropriate life cycle model used to implement the given scenario

Select one:

a. Agile

b. Prototyping

c. Water fall

d. Spiral ✓

The correct answer is: Spiral

## Question 13

Correct

Mark 1.00 out of 1.00

Which of the following is not a feature of UNIX?

Select one:

a. Multiuser

b. Portability

c. Multitasking

d. User friendly ✓

The correct answer is: User friendly

## Question 14

Unix Terminals are called Dummy terminals as they do not have \_\_\_\_\_ capability.

Select one:

- b. Input
- c. Processing ✓
- d. Display

The correct answer is: Processing

## Question 15

Correct

Mark 1.00 out of 1.00

Consider the sample.txt file and predict the output

Unix is an operating system.

Unix is open source.

Linux is also a powerful OS.

What is the output of grep -c "Unix" sample.txt command?

Select one:

- a. 0
- b. 3
- c. 2 ✓
- d. 4

The correct answer is: 2

## Question 16

Correct

Mark 1.00 out of 1.00

What does the below Unix command accomplish?

```
$ sed 's/ABC/ZYX/' file.txt
```

Select one:

- a. Only matches and displays the occurrence of the pattern
- b. Replaces only first occurrence of 'ABC' with 'ZYX'
- c. Replaces all occurrences 'ABC' with 'ZYX'
- d. Replaces first occurrence in every line 'ABC' with 'ZYX' ✓

The correct answer is: Replaces first occurrence in every line 'ABC' with 'ZYX'

## Question 17

Correct

Mark 1.00 out of 1.00

Which of the following should be used to print lines containing 'manager' in emp.lst?

Select one:

- a. awk 'manager { print }' emp.lst
- b. awk '/manager { print }' emp.lst
- c. awk '/manager/ { print }' emp.lst ✓
- d. awk '/manager/ { print }' emp.lst

The correct answer is: awk '/manager/ { print }' emp.lst

## Question 18

Correct

Mark 1.00 out of 1.00

which of the following option can be used ,in order to quit vi editor without saving the work done ?

Select one:

- a. :q! ✓
- b. :w
- c. :q
- d. .

The correct answer is::q!

## Question 19

Correct

Mark 1.00 out of 1.00

What does DTD stand for?

Select one:

- a. Direct Type Definition
- b. Dynamic Type Definition
- c. Document Type Definition ✓
- d. Dynamic Transfer Definition

The correct answer is: Document Type Definition

## Question 20

Correct

Mark 1.00 out of 1.00

Which of the following fragments of XML are well-formed

Select one:

- a. <?xml?>
- b. <?xml encoding="Master"?>
- c. <?xml encoding="JIS" version="File1"?>
- d. <?xml version="1.0"?> ✓

The correct answer is: <?xml version="1.0"?>

## Question 21

Correct

Mark 1.00 out of 1.00

Which of the following xml prolog is according to syntax of XML

Select one:

- a. <?xml version="1.0" encoding="UTF-18"?>
- b. <?xml version="1.0" encoding="UTF-8"?> ✓
- c. <?xml version="1.0" version="UTF-8"?>
- d. <?xml version="1.0" encoding="UTF-8">

The correct answer is: <?xml version="1.0" encoding="UTF-8"?>

## Question 22

Correct

Mark 1.00 out of 1.00

Identify the well-formed XML code

Select one:

- a. <bookstore>  
    <book category="children">  
        <title>Harry Potter</title>  
        <author>J K. Rowling</author>  
        <year>2005</year>  
        <price>29.99 </book>  
    </bookstore>
- b. <bookstore>  
    <book category="children">  
        <title>Harry Potter</title>  
        <author>J K. Rowling</author>  
        <year>2005</year>  
        <price>29.99</price>  
    </book>  
  </bookstore> ✓

```

<title>Harry Potter</title>
<author>J K. Rowling</author>
<year>2005</year>
<price>29.99</price>
</book>
</bookstore>

 d. <bookstore>
 <book category="children">
 <title>Harry Potter</title>
 <author>J K. Rowling</author>
 <year>2005</year>
 <price>29.99</price>
 </bookstore>

```

The correct answer is: <bookstore>

```

<book category="children">
 <title>Harry Potter</title>
 <author>J K. Rowling</author>
 <year>2005</year>
 <price>29.99</price>
</book>
</bookstore>

```

## Question 23

Correct

Mark 1.00 out of 1.00

Consider the Java code given below. How many times "Hello" will be printed when the code is executed?

```

public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i = 0;
 do
 {
 System.out.println("Hello");
 i++;
 } while(i <= 1);
 }
}

```

Choose the most appropriate option.

Select one:

- a. Nothing will be printed
- b. 2 times ✓
- c. 3 times
- d. 1 time

The correct answer is: 2 times

## Question 24

Correct

Mark 1.00 out of 1.00

which of the following represents correct order from the most to least restrictive? Choose most appropriate option.

Select one:

- a. private,default,protected,public ✓
- b. private,protected,default,public
- c. protected,private,default,public
- d. public,protected,default,private

The correct answer is: private,default,protected,public

## Question

Consider the Java code given below. How many times "Accenture" will be printed when the code is executed?

Mark 1.00 out of 1.00

```
public static void main(String[] args)
{
 for(int i=0; i <5; i++)
 {
 System.out.println("Accenture");
 i++;
 }
}
```

Choose the most appropriate option.

Select one:

- a. 2 times
- b. 3 times ✓
- c. 1 time
- d. 4 times

The correct answer is: 3 times

**Question  
26**

Correct

Mark 1.00 out of 1.00

What will be the output of the following Java code?

```
public class Vehicle
{
 protected String enginePower;
 public Vehicle()
 {
 this.enginePower = "100CC";
 }
 public String getEnginePower()
 {
 return this.enginePower;
 }
}
public class PassengerVehicle extends Vehicle
{
private int capacity;
public PassengerVehicle()
{
this.capacity = 50;
this.enginePower = "150CC";
}
public int getCapacity()
{
return this.capacity;
}
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 Vehicle vehicle = new PassengerVehicle();
 System.out.println(vehicle.getEnginePower());
 }
}
```

Choose the most appropriate option.

Select one:

- a. 100CC
- b. null
- c. 100CC150CC
- d. 150CC ✓

The correct answer is: 150CC

**Question  
27**

What will be the output of the following Java code?

Mark 1.00 out of  
1.00

```

static
{
 MyClass.count = 100;
 //Line-1
 int count = 100;
 //Line-2
}
public MyClass()
{
 count++ ;
}
public static int getCount()
{
 return count;
}
public class StaticTester
{
 public static void main(String[] args)
 {
 MyClass ref1 = new MyClass();
 MyClass ref2 = new MyClass();
 System.out.println(ref1.getCount());
 }
}

```

Choose the most appropriate option.

Select one:

- a. 2
- b. 102 ✓
- c. Compilation error at Line-2: Duplicate variable 'count'
- d. Compilation error at Line-1: Invalid variable reference 'MyClass.count'

The correct answer is: 102

**Question  
28**

Correct

Mark 1.00 out of  
1.00

Which of the following statement/statements is/are FALSE?

- (i) 'package' statement can appear anywhere in the Java code
- (ii) In a Java code, one can write only one 'import' statement

Choose the most appropriate option.

Select one:

- a. Both (i) and (ii) are TRUE
- b. Only (i) is FALSE
- c. Both (i) and (ii) are FALSE ✓
- d. Only (ii) is FALSE

The correct answer is: Both (i) and (ii) are FALSE

**Question  
29**

Correct

Mark 1.00 out of  
1.00

What will be the output of the following Java code?

```

public class ApplicationTester
{
 public static void main(String[] args)
 {
 int[] array = {-9,-11-8,-100,-78};
 int minimum = 0;
 for(int index=0; index < array.length; index++)
 {
 if(minimum < array[index])
 { minimum = array[index];
 }
 }
 System.out.println(minimum);
 }
}

```

Choose the most appropriate option.

Select one:

- a. -100
- b. null
- c. 0 ✓
- d. -8

The correct answer is: 0

### Question 30

Correct

Mark 1.00 out of 1.00

What will be the output of the following Java code?

```
public class ApplicationTester {
 public static void main(String[] args) {
 int [] array1 = {10,20,30,40,50};
 int [] array2 = array1;
 for(int index1=0,index2=3; index2<array2.length&&index1<array1.length; index1++,++index2)
 {
 array1[index1]++;
 System.out.print(array2[index2]+ " ");
 }
 }
}
```

Select one:

- a. 41 51
- b. Array Index Out Of Bounds Exception
- c. 0 0
- d. 40 50 ✓

The correct answer is: 40 50

### Question 31

Correct

Mark 1.00 out of 1.00

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 for(int i=0; i<=10; i++)
 {
 if(i>6)
 break;
 }
 System.out.println(i); //Line-1
 }
}
```

Choose most appropriate option.

Select one:

- a. null
- b. 5
- c. Compilation error at Line-1: i cannot be resolved to a variable ✓
- d. 6

The correct answer is: Compilation error at Line-1. i cannot be resolved to a variable

**Question  
32**

Correct

Mark 1.00 out of 1.00

The employee tables contains EmployeeId,EmployeeName and DeptCode Columns. Which is the CORRECT SQL query to display the EmployeeId and EmployeeName of employees who are working in DeptCode 10 OR 20?

(i) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode IN (10,20);  
 (ii) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode = 10 OR DeptCode = 20;  
 Choose most appropriate option.

Select one:

- a. Only (i)
- b. Neither (i) nor (ii)
- c. Both (i) and (ii) ✓
- d. Only (ii)

The correct answer is: Both (i) and (ii)

**Question  
33**

Correct

Mark 1.00 out of 1.00

Consider the following tables:

Vendor (VendorId, VendorName, PhoneNumber).

Here VendorId is the primary key.

Item (ItemCode, UnitPrice, QuantityOnHand, VendorId)

Here ItemCode is the primary key and VendorId is the foreign key referencing the VendorId in Vendor Table.

Which is the CORRECT SQL query to display ItemCode, UnitPrice, VendorName for all Items. It should also display the details of the item which is not having any vendor?

Choose most appropriate option

Select one:

- a. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item, Vendor WHERE Item.VendorId = Vendor.VendorId;
- b. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId; ✓
- c. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId;
- d. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId AND Item.VendorId IS NULL;

The correct answer is: SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId;

**Question  
34**

Correct

Mark 1.00 out of 1.00

Identify the CORRECT SQL statement(s) to remove ONLY the data from "Employee" table?

- (i) DROP TABLE Employee;  
 (ii) DELETE FROM Employee;  
 (iii) TRUNCATE TABLE Employee;  
 Choose most appropriate option.

Select one:

- a. (i), (ii) and (iii)
- b. Both (i) and (ii)
- c. Both (ii) and (iii) ✓
- d. Both (i) and (iii)

**Question  
35**

Correct

Mark 1.00 out of 1.00

The following statement is True/False?

Is it mandatory for foreign key column to have the same data type of primary key in case of writing the query of join to fetch data from multiple tables.

Select one:

- a. False
- b. True ✓

The correct answer is: True

**Question  
36**

Correct

Mark 1.00 out of 1.00

Consider the following tables:

Vendor (VendorId, VendorName, PhoneNumber). Here VendorId is the primary key.

Item (ItemCode, UnitPrice, QuantityOnHand, VendorId) Here ItemCode is the primary key and VendorId is the foreign key referencing the VendorId in Vendor Table.

Which is the CORRECT SQL query to display ItemCode, UnitPrice, VendorName for all Items. It should also display the details of the item which is not having any vendor?

Choose most appropriate option

Select one:

- a. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId;
- b. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId AND Item.VendorId IS NULL;
- c. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item, Vendor WHERE Item.VendorId = Vendor.VendorId;
- d. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId; ✓

Your answer is correct.

The correct answer is: SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId;

**Question  
37**

Incorrect

Mark 0.00 out of 1.00

Identify the CORRECT SQL statement to create a Account table with composite primary key (AccountNumber, CustomerId).

Choose most appropriate option

Select one:

- a. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc\_Pkey COMPOSITE PRIMARY KEY (AccountNumber,CustomerId)); ✗
- b. CREATE TABLE Account (AccountNumber Number(5) CONSTRAINT Acc\_Pkey1 PRIMARY KEY, CustomerId Number(10) CONSTRAINT Acc\_Pkey2 PRIMARY KEY, OpeningDate Date, Balance Number(10,2));
- c. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10) CONSTRAINT Acc\_Pkey2 PRIMARY KEY (AccountNumber,CustomerId), OpeningDate Date, Balance Number(10,2));
- d. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc\_Pkey PRIMARY KEY (AccountNumber,CustomerId));

Your answer is incorrect.

The correct answer is: CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc\_Pkey PRIMARY KEY (AccountNumber,CustomerId));

**Question  
38**

Assume abc.html is existing and a valid HTML page. Refer the code below:

```
<form action="abc.html">
First Name: <input type="text"/>

```



```
<input type="submit" value="Submit"/>
</form>
```

How many HTML controls will be displayed on the browser, when the above page is run on browser? Choose most appropriate option

Select one:

- a. 3 ✓
- b. 4
- c. 5
- d. 7

The correct answer is: 3

### Question 39

Incorrect

Mark 0.00 out of 1.00

Which of the following CSS code is the correct one to apply style to tag 'p'? Choose most appropriate option.

Select one:

- a. p { color:red; text-align:center; }
- b. p { color:red, text-align:center; }
- c. p { color=red; text-align=center; } ✗
- d. p { color:red; text-align:center; }

Your answer is incorrect.

The correct answer is: p { color:red; text-align:center; }

### Question 40

Correct

Mark 1.00 out of 1.00

In HTML, Which of the following is used to merge columns in a table? Choose most appropriate option.

Select one:

- a. colspan
- b. cspan
- c. colspan ✓
- d. columns-span

The correct answer is: colspan

### Question 41

Correct

Mark 1.00 out of 1.00

Identify the CORRECT HTML code to define the state of the hyperlink. The requirement is to display the hyperlink "Click" in RED color if user has already visited "<https://portal.accenture.com>". Choose most appropriate option.

Select one:

- a. <html>
 <body>
 <a href="https://portal.accenture.com/" link="red"> Click </a>
 </body>
 </html>
- b. <html>
 <body vlink="red" >
 <a href="https://portal.accenture.com/">Click </a>
 </body>
 </html> ✓
- c. <html>
 <body link="red" >
 <a href="https://portal.accenture.com/"> Click </a>
 </body>
 </html>



```
 Click
</body>
</html>
```

The correct answer is: <html>  
<body vlink="red" >  
<a href="https://portal.accenture.com/">Click </a>  
</body>  
</html>

## Question 42

Correct

Mark 1.00 out of  
1.00

Which method is used to remove focus from the specified object? Choose most appropriate option.

Select one:

- a. onclick()
- b. onfocus()
- c. onblur() ✓
- d. onsubmit()

The correct answer is: onblur()

## Question 43

Correct

Mark 1.00 out of  
1.00

Consider the HTML code given below.

```
<html>
<head>
<script>
var key=10;
function add(){
 var key=20;
 window.key=key+1;
 document.write(key);
 document.write(" ");
 print();
}
function print(){
 document.write(key);
}
</script>
</head>
<body>
<form>
<input type="s
```

Select one:

- a. 21 21
- b. 20 21 ✓
- c. 11 11
- d. 11 10

Your answer is correct.

The correct answer is: 20 21

**44**

Correct

Mark 1.00 out of  
1.00**SPOT THE ERROR.**

Observe the below algorithm to find the average of three numbers.

Step1: Start

Step2: Get num1, num2, num3

Step3: Add num1, num2, num3 and store it in Sum

Step4: Average=sum%3

Step5: Display Sum and Average

Step6: Stop

**Identify the incorrect step(if any)**

Select one:

- a. No error
- b. Step 4 ✓
- c. Step 5
- d. Step 2

Your answer is correct.

The correct answer is: Step 4

**Question  
45**

Correct

Mark 1.00 out of  
1.00

Order the range of coupling from high to low

- a. control coupling
- b. stamp coupling
- c. content coupling
- d. uncoupled
- e. common coupling
- f. data coupling

Select one:

- a.  
c , e , a, b, f, d ✓
- b.  
d, c , e , a, b, f
- c.  
c , a, b, f, e, d
- d.  
c , e , a, f , b, d

Your answer is correct.

The correct answer is:

c , e , a, b, f, d

**Question  
46**

Correct

Mark 1.00 out of  
1.00

Carefully read the question and answer accordingly. What operation is processed for each element in the list

Select one:

- a. Merging
- b. Inserting
- c. Traversal ✓
- d. Sorting

**Question  
47**

Correct

Mark 1.00 out of 1.00

Carefully read the question and answer accordingly. Which data structure is said to be linear data structure?

Select one:

- a. Graphs
- b. None of the listed options
- c. Tree
- d. Arrays ✓

The correct answer is: Arrays

**Question  
48**

Correct

Mark 1.00 out of 1.00

Time complexity of an algorithm signifies the total time required by the algorithm to complete its execution with provided resources. State True or False.

Select one:

- True ✓
- False

The correct answer is 'True'.

**Question  
49**

Not answered

Marked out of 1.00

What is the time complexity of find\_count()?

```
int find_count(int i)
{
 int c=0;
 for(int m=0;m<i;m++)
 for(int n=m;n>0;n--)
 c=c+1;
 return c;
}
```

Select one:

- a. theta(nlognlogn)
- b. theta(n)
- c. theta(n2)
- d. theta(n\*logn)

The correct answer is: theta(n2)

**Question  
50**

Not answered

Marked out of 1.00

What is the time complexity of these functions?

```
int fact(int i)
{
 if(i<=1)
 return i;
 return 2*fact(i-1);
}

int fact2(int i)
{
 if(i<=1)
 return i;
```



,

Select one:

- a.  $O(2^n)$  for both fact() and fact2()
- b.  $O(n)$  for fact() and  $O(2^n)$  for fact2()
- c.  $O(n)$  for both fact() and fact2()
- d.  $O(2^n)$  for fact() and  $O(n)$  for fact2()

The correct answer is:  $O(n)$  for fact() and  $O(2^n)$  for fact2()



**Started on** Friday, 12 June 2020, 5:40 PM

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**Completed on** Friday, 12 June 2020, 6:35 PM

**Time taken** 54 mins 32 secs

**Grade** 41 out of 50 (81%)

### Question 1

Correct

Mark 1 out of 1

Consider the table Student(StudentId, StudentName, Email, PercentageOfMarks). Which is the CORRECT query to display the details in the ascending order (lowest to highest) of PercentageOfMarks and in the descending order of StudentId in case PercentageOfMarks is the same. Choose most appropriate option

Select one:

- a. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId DESC;
- b. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId;
- c. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;
- d. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY StudentId DESC, PercentageOfMarks;

The correct answer is: SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;

### Question 2

Correct

Mark 1 out of 1

Which is the CORRECT SQL statement to add the new column "DateOfJoining" to an existing table "Employee"? Choose most appropriate option.

Select one:

- a. CREATE TABLE Employee ADD DateOfJoining DATE;
- b. ALTER TABLE Employee MODIFY DateOfJoining DATE;
- c. ALTER TABLE Employee UPDATE DateOfJoining DATE;
- d. ALTER TABLE Employee ADD DateOfJoining DATE;

The correct answer is: ALTER TABLE Employee ADD DateOfJoining DATE;

### Question 3

Incorrect

Mark 0 out of 1

Which of the following statement(s) is/are TRUE?

- (i) In a non-correlated(independent) subquery, the subquery is always executed only once.
- (ii) In a non-correlated(independent) subquery, the inner query (sub query) references the column from the outer query (main query).

Choose most appropriate option

Select one:

- a. Neither (i) nor (ii)
- b. Only (ii)
- c. Both (i) and (ii)
- d. Only (i)

The correct answer is: Only (i)

Incorrect  
Mark 0 out of 1

Choose most appropriate option...

Select one:

- a. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A%e'; 
- b. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE '\_e';
- c. SELECT EmployeeName FROM Employee WHERE EmployeeName = 'A\_e';
- d. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A\_e';

The correct answer is: SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A\_e';

## Question 5

Correct

Mark 1 out of 1

Which of the following is CORRECT about DELETE command?

- a) It can delete single or multiple columns from a table
- b) It can delete single or multiple records from a table
- c) Records deleted can be roll backed.

Choose most appropriate option.

Select one:

- a. b and c 
- b. a and c
- c. a and b
- d. a only

The correct answer is: b and c

## Question 6

Correct

Mark 1 out of 1

What is the SQL query for finding the total number of rows in a given table 'emp'? Choose most appropriate option.

Select one:

- a. SELECT SUM(\*) FROM EMP;
- b. SELECT COUNT FROM EMP;
- c. SELECT SUM FROM EMP;
- d. SELECT COUNT(\*) FROM EMP; 

The correct answer is: SELECT COUNT(\*) FROM EMP;

## Question 7

Correct

Mark 1 out of 1

Which of the following SQL commands is used to remove table "EMPLOYEE" present in the database? Choose most appropriate option.

Select one:

- a. TRUNCATE TABLE EMPLOYEE;
- b. DROP TABLE EMPLOYEE; 
- c. REMOVE TABLE EMPLOYEE;
- d. DELETE TABLE EMPLOYEE;

The correct answer is: DROP TABLE EMPLOYEE;

## Question 8

Correct

Mark 1 out of 1

Consider table Item(itemId, category, unitprice). Identify the appropriate SQL statement to display item id and discount in the ascending order of discount. [Note: Discount should be 10% of unitprice] Choose most appropriate option.

Select one:

- c. select itemId, discount from Item order by discount;
- d. select itemId, discount=unitprice\*0.1 from Item order by discount;

The correct answer is: select itemId, unitprice\*0.1 as discount from Item order by discount;

## Question 9

Correct

Mark 1 out of 1

Which of the following about DELETE command in SQL is FALSE? Choose most appropriate option.

Select one:

- a. Used for deleting a single column value in a record ✓
- b. Is a DML statement and has to be manually committed
- c. Throws constraint violation error when deleting a parent record, for which child records exists
- d. Used for deleting multiple records in a table

The correct answer is: Used for deleting a single column value in a record

## Question 10

Correct

Mark 1 out of 1

Consider the table Employee(empid, empname, designation). Identify the appropriate SQL statement to retrieve all employees whose designation is either 'S' or 'A'. Choose most appropriate option.

Select one:

- a. SELECT \* FROM Employee WHERE designation IN('S' OR 'A');
- b. SELECT \* FROM Employee WHERE designation =( 'S' , 'A');
- c. SELECT \* FROM Employee WHERE designation =( 'S' OR 'A');
- d. SELECT \* FROM Employee WHERE designation IN('S' , 'A'); ✓

The correct answer is: SELECT \* FROM Employee WHERE designation IN('S' , 'A');

## Question 11

Partially correct

Mark 1 out of 1

Assume that table Project is created using the DDL statement given below and has no records.

```
CREATE TABLE Project(projectId VARCHAR2(4) CONSTRAINT proj_pk PRIMARY KEY, projectName
VARCHAR2(10) DEFAULT 'NA' CONSTRAINT proj_nn NOT NULL);
```

Identify the INSERT statements which would successfully insert record into Project table. Choose two most appropriate options.

Select one or more:

- a. INSERT INTO project(projectName,projectId) VALUES('NA';'P4'); ✓
- b. INSERT INTO project VALUES('P1');
- c. INSERT INTO project(projectId) VALUES('P2');
- d. INSERT INTO project(projectId,projectName) VALUES('P3', Null);

The correct answers are: INSERT INTO project(projectName,projectId) VALUES('NA';'P4');, INSERT INTO project(projectId) VALUES('P2');

## Question 12

Correct

Mark 1 out of 1

Given a table Projects, which of the following SQL queries will display records that contains Sub-String "SAP" anywhere in the ProjectName ? Choose most appropriate option.

Select one:

- a. SELECT \* FROM Projects WHERE ProjectName LIKE "%SAP%"; ✓
- b. SELECT \* FROM Projects WHERE ProjectName = '%SAP%';
- c. SELECT \* FROM Projects WHERE ProjectName LIKE "%SAP";



## Question 13

Incorrect

Mark 0 out of 1

The correct answer is: SELECT \* FROM Projects WHERE ProjectName LIKE "%SAP%";

Identify the CORRECT SQL statement to create a Account table with composite primary key (AccountNumber, CustomerId). Choose most appropriate option

Select one:

- a. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc\_Pkey COMPOSITE PRIMARY KEY (AccountNumber,CustomerId)); ✗
- b. CREATE TABLE Account (AccountNumber Number(5) CONSTRAINT Acc\_Pkey1 PRIMARY KEY, CustomerId Number(10) CONSTRAINT Acc\_Pkey2 PRIMARY KEY, OpeningDate Date, Balance Number(10,2));
- c. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc\_Pkey PRIMARY KEY (AccountNumber,CustomerId));
- d. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10) CONSTRAINT Acc\_Pkey2 PRIMARY KEY (AccountNumber,CustomerId), OpeningDate Date, Balance Number(10,2));

Your answer is incorrect.

The correct answer is: CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc\_Pkey PRIMARY KEY (AccountNumber,CustomerId));

## Question 14

Correct

Mark 1 out of 1

Consider the tables given below.

Customer(customerId,customerName)  
Book(bookId, bookName)  
Purchase(purchaseId, bookId, customerId)

bookId and customerId in purchase table are foreign keys referring to Book and Customer tables respectively.

Which is the CORRECT SQL statement to retrieve customer name and book name for all books purchased by customers.

Select one:

- a. SELECT c.customerName,b.bookName  
FROM customer c INNER JOIN purchase p  
ON c.customerId=p.customerId  
SELF JOIN book b  
ON b.bookid=p.bookid;
- b. SELECT c.customerName,b.bookName  
FROM customer c INNER JOIN purchase p  
INNER JOIN book b  
ON b.bookid=p.bookid AND c.customerId=p.customerId;
- c. SELECT c.customerName,b.bookName  
FROM customer c INNER JOIN purchase p  
ON c.customerId=p.customerId  
INNER JOIN book b  
ON b.bookid=p.bookid; ✓
- d. SELECT c.customerName,b.bookName  
FROM customer c INNER JOIN purchase p  
ON c.customerId=p.customerId;

Your answer is correct.

The correct answer is: SELECT c.customerName,b.bookName  
FROM customer c INNER JOIN purchase p  
ON c.customerId=p.customerId  
INNER JOIN book b  
ON b.bookid=p.bookid;

## Question 15

Consider a table with the name Project is created using the SQL statement given below

Mark 1 out of 1

```
projectname VARCHAR2(10) CONSTRAINT pnull NOT NULL,
employeecount NUMBER(2) DEFAULT 0;
```

Which of the following statements insert record successfully to the Project table [Choose 2]

Select one or more:

- a. INSERT INTO project(projectid,projectname) VALUES('P2','Finance'); ✓
- b. INSERT INTO project VALUES('P1','Finance')
- c. INSERT INTO project(projectid,employeecount) VALUES('P3',10);
- d. INSERT INTO project VALUES('P1','Finance',20); ✓

Your answer is correct.

The correct answers are: INSERT INTO project VALUES('P1','Finance',20),, INSERT INTO project(projectid,projectname) VALUES('P2','Finance');

## Question 16

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i;
 for(i = 1; i <=3; i++)
 {
 System.out.println(i);
 }
 System.out.println(i);
 }
}
```

Choose the most appropriate option.

Select one:

- a. 3 will be displayed twice on the console
- b. 4 will be displayed twice on the console ✓
- c. 1 to 3 will be displayed on the console
- d. 1 to 4 will be displayed on the console

The correct answer is: 4 will be displayed twice on the console

## Question 17

Not answered

Marked out of 1

Identify the relationship between the class Patient and class Doctor which are given below.

```
public class Patient
{
 private String name;
 //getter and setter methods
}
public class Doctor
{
 private String name;
 private String specialization;
 //getter and setter methods
 public void treatPatient(Patient patient)
 {
 //valid Java code
 }
}
```

Choose the most appropriate option.

Select one:

- a. Composition
- b. Aggregation
- c. None of the above



The correct answer is: Dependency

## Question 18

Correct

Mark 1 out of 1

Consider the Java code given below. How many times "Hello" will be printed when the code is executed?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i = 0;
 do
 {
 System.out.println("Hello");
 i++;
 } while(i <= 1);
 }
}
```

Choose the most appropriate option.

Select one:

- a. 1 time
- b. 3 times
- c. 2 times ✓
- d. Nothing will be printed

The correct answer is: 2 times

## Question 19

Incorrect

Mark 0 out of 1

If Employee class is created inside com.test package, what could be the first line in class? Choose most appropriate option.

Select one:

- a. package com.test
- b. package com.test.Employee ✗
- c. packages com.test
- d. class Employee{}

The correct answer is: package com.test

## Question 20

Correct

Mark 1 out of 1

Consider the Java code given below. How many times "1" will be printed when the code is executed?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i = -1;
 while(++i <= 1)
 {
 System.out.println("1");
 i++;
 }
 }
}
```

Choose the most appropriate option.

Select one:

- a. 1 time ✓
- b. 2 times
- c. Nothing will be printed.
- d. 3 times



The correct answer is: 1 time

## Question 21

Incorrect

Mark 0 out of 1

Which of the following statement/s is/are TRUE?

- (1) Abstract method can have body
- (2) Abstract class cannot be instantiated
- (3) Abstract class can have constructor

Choose the most appropriate option.

Select one:

- a. Both (2) and (3) are TRUE
- b. Both (1) and (2) are TRUE
- c. Only (2) is TRUE ✘
- d. Both (1) and (3) are TRUE

The correct answer is: Both (2) and (3) are TRUE

## Question 22

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class StringTester
{
public static void main(String[] args)
{
 String player1 = new String ("virat kohli");
 String player2 = new String("GAYLE");
 player1.toUpperCase();
 String newPlayer=player1.substring(6);
 newPlayer = newPlayer + player2.toLowerCase();
 System.out.println(newPlayer);
}
```

Choose the most appropriate option.

Select one:

- a. kohligayle ✓
- b. kohliGAYLE
- c. KOHLIgayle
- d. KOHLI gayle

The correct answer is: kohligayle

## Question 23

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class BaseClass
{
 public static void method()
 {
 System.out.println("1");
 }
}
public class DerivedClass extends BaseClass
{
public static void method()
{
System.out.println("2");
}
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 BaseClass ref = new DerivedClass();
 ref.method();
 }
}
```



}

Choose the most appropriate option.

Select one:

- a. Compilation error at Line-1: Ambiguous method call 'ref.method()'
- b. 2
- c. Program will display both 1 and 2
- d. 1 ✓

The correct answer is: 1

## Question 24

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int[] array = {11,22,33,44,55,11};
 int searchNumber = 11, position=999;
 for(int index=0; index < array.length; index++)
 {
 if(searchNumber == array[index])
 {
 position = index;
 }
 } System.out.println(position);
 }
}
```

Choose the most appropriate option.

Select one:

- a. 5 ✓
- b. 0
- c. 6
- d. 1

The correct answer is: 5

## Question 25

Correct

Mark 1 out of 1

Which of the following statement(s) is/are FALSE?

- (i) 'package' statement can appear anywhere in the Java code
- (ii) In a Java code, only one 'import' statement can be written

Choose the most appropriate option.

Select one:

- a. Both (i) and (ii) are FALSE ✓
- b. Only (ii) is FALSE
- c. Only (i) is FALSE
- d. Both (i) and (ii) are TRUE

The correct answer is: Both (i) and (ii) are FALSE

## Question 26

Correct

Chaining What is the output for the below code ?

```
class A
{
 public A()
```

```

public A(int i)
{
 System.out.print(i+" ");
}
}
class B extends A
{
public B ()
{
 super();
 System.out.print("B ");
}

public B (int i)
{
 super(i);
 System.out.print(i+3+" ");
}
}

public class Test
{
 public static void main (String[] args)
 {
 new B(5);
 }
}

```

Choose most appropriate option.

Select one:

- a. A B 5
- b. A B 8
- c. 5 8 ✓
- d. B 8 A 5

The correct answer is: 5 8

## Question 27

Incorrect

Mark 0 out of 1

Accenture developed a Java based Application (Vendor Management System) for New Codington city. The product was delivered to New Codington after successful testing on Windows platform. New Codington wants to run the application on their desktop which has Linux platform. What are the MINIMUM resources needed to successfully run the application? Choose the most appropriate option.

Select one:

- a. JDK on Windows
- b. JVM on Linux
- c. JVM on Windows
- d. JDK on Linux ✗

The correct answer is: JVM on Linux

## Question 28

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```

public class MyClass
{
 private static int data;
 static
 {
 MyClass.data = 999;
 }
 public static int getData()
 {
 return data;
 }
 public static void setData(int data)
 {
 }
}

```

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 MyClass ref1 = new MyClass();
 MyClass ref2 = new MyClass();
 System.out.print(ref1.getData());
 ref2.setData(111);
 System.out.println(" " + ref1.getData());
 }
}
```

Choose the most appropriate option.

Select one:

- a. 999 111 ✓
- b. 0 111
- c. 111 111
- d. 999 999

The correct answer is: 999 111

## Question 29

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class MyClass
{
 public static void main (String[] args)
 {
 int value1=33;
 int value2=--value1;
 int value3=value1++;
 System.out.println(value1+" "+value2+" "+value3);
 }
}
```

Choose the most appropriate option.

Select one:

- a. 32 33 32
- b. 32 32 33
- c. 33 32 32 ✓
- d. 32 32 32

The correct answer is: 33 32 32

## Question 30

Correct

Mark 1 out of 1

Analyse the following pseudo code and identify the CORRECT output.

Note: Assume that the input given for Basic is 12000 and Allowances is 3000

1. input Basic, Allowances
2. Gross\_Salary= Basic + Allowances
3. if (Gross\_Salary > 10000) then
4. Tax = 0.1 \* Gross\_Salary
5. Net\_Salary = Gross\_Salary - Tax
6. else
7. Net\_Salary = Gross\_Salary
8. end-if
9. display Net\_Salary

Choose the most appropriate option.

Select one:

a. 14000 b. 15000 c. 13500 ✓

The correct answer is: 13500

## Question 31

Correct

Mark 1 out of 1

Consider the Java code given below. After the execution of the code what will be the content of "array2"?

```
public class Tester
{
 public static void main(String[] args)
 {
 int array1[] = {71,12,23,34};
 int array2[] = new int[4];
 int count = 0;
 for (int i = 0; i < array2.length; i++)
 {
 if(array1[i]%2==0)
 {
 array2[count]=array1[i];
 count++;
 }
 }
 }
}
```

Choose the most appropriate option.

Select one:

 a. 0 0 12 34 b. 12 34 c. 12 34 0 0 ✓ d. 12 0 34 0

The correct answer is: 12 34 0 0

## Question 32

Correct

Mark 1 out of 1

Predict the line of code

```
Abstract class Base1
{
 protected void getDetails()
 {
 System.out.println("Base method");
 }
 public Abstract void demomethod();
}
Abstract class Base2 extends Base1
{
 public Abstract void samplmethod();
}
class Derived extends Base2
{
 //Line1
}
```

Select one:

 a. Error: abstract class can't extends other abstract class b. none of the option c. only "samplmethod" need to overrided in Dervied class d. Derived class need to override both "samplmethod" and "demomethod" ✓

The correct answer is: Derived class need to override both "samplmethod" and "demomethod"

## Question 33

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 for(int i=0; i<=10; i++)
 {
 if(i>6)
 break;
 }
 System.out.println(i); //Line-1
 }
}
```

Choose most appropriate option.

Select one:

- a. 5
- b. Compilation error at Line-1: i cannot be resolved to a variable ✓
- c. 6
- d. null

The correct answer is: Compilation error at Line-1: i cannot be resolved to a variable

## Question 34

Correct

Mark 1 out of 1

Given the below code. What is output ?

```
class Currency
{
 private String country = "Canada";
 public String getC()
 {
 return country;
 }
}
class JapeneseYen extends Currency
{
 public String getC()
 {
 return super.country; //Line 12
 }
}
public class AustralianDollar extends Currency
{
 public String getC(int x)
 {
 return super.getC();
 }
}
public static void main(String[] args)
{
 System.out.print(new JapeneseYen().getC() + " " + new AustralianDollar().getC());
}
```

Choose most appropriate option.

Select one:

- a. Canada null
- b. null Canada
- c. null null
- d. Compilation fails due to an error on line 12 ";country is not visible "; ✓
- e. Canada Canada

The correct answer is: Compilation fails due to an error on line 12 ";country is not visible ";

## Question 35

What will be the output of the following Java code?

Mark 1 out of 1

```

public void deposite(int amount)
{
 System.out.println("Account deposited with: " + amount);
}
public void transaction()
{
 this.deposite(100);
}
public class SavingsAccount extends Account
{
public void deposite(int amount)
{
System.out.println("Savings Account deposited with: " + amount);
}
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 Account account = new SavingsAccount();
 account.transaction();
 }
}

```

Choose the most appropriate option.

Select one:

- a. Savings Account deposited with: 100 ✓
- b. Account deposited with: 100
- c. Savings Account deposited with: 0
- d. Account deposited with: 0

The correct answer is: Savings Account deposited with: 100

## Question 36

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```

class Test extends Throwable { }
class Base extends Test {}
public class Main {
 public static void main(String args[]) {
 try {
 throw new Base();
 }
 catch(Test t) {
 System.out.println("Test Exception");
 }
 finally {
 System.out.println("Finally block ");
 }
 }
}

```

Select one:

- a. Compilation error: Test Class cant extends Throwable
- b. print - "Test Exception" "Finally block " ✓
- c. Compilation error : Base class can't extends Test
- d. print-"Test Exception"

The correct answer is: print - "Test Exception" "Finally block "

## Question 37

Incorrect

which of the following code creates a list box from which user can select more than one option?

Select one:





```
<option> S </option>

</select> ✘

● b. <select type=multiple>

<option> P </option>

<option> G </option>

<option> S </option>

</select>

● c. <select name='type' multiple>

<option> P </option>

<option> G </option>

<option> S </option>

</select>

● d. <select name='type' multiValue>

<option> P </option>

<option> G </option>

<option> S </option>

</select>
```

Your answer is incorrect.

The correct answer is: <select name='type' multiple><br />  
<option> P </option><br />  
<option> G </option><br />  
<option> S </option><br />  
</select>

### Question 38

Incorrect

Mark 0 out of 1

'link', 'vlink' and 'alink' are attributes of which HTML tag?

Choose the most appropriate option.

Select one:

- a. <img>
- b. <a> ✘
- c. <head>
- d. <body>

Your answer is incorrect.

The correct answer is: <body>

### Question 39

Correct

Mark 1 out of 1

Which of the following attribute is used by a HTML tag to apply inline style? Choose most appropriate option.

Select one:

- a. class
- b. style ✓
- c. id
- d. styleclass

Your answer is correct.

The correct answer is: style

### Question 40

Correct

Mark 1 out of 1

Refer to the below code:

```
<script>
function helloMessage(){
 var jsName = //Line1 alert('Hello '+jsName+' !')
```



```
Enter First Name : <input type="text" name="firstName" id="first">

<input type="button" value="Click Here!" onclick="helloMessage()">
</form>
```

Which is the CORRECT code to be inserted at "Line1" to make the JavaScript run properly? Choose most appropriate option

Select one:

- a. document.getElementByName('first').value;
- b. document.getElement('first').value;
- c. document.getElementById.first.value;
- d. document.getElementById('first').value; ✓

The correct answer is: document.getElementById('first').value;

## Question 41

Correct

Mark 1 out of 1

Which attribute of the form specifies the name of the web page on the server which will process the form after submission?  
Choose most appropriate option.

Select one:

- a. action ✓
- b. name
- c. url
- d. method

The correct answer is: action

## Question 42

Correct

Mark 1 out of 1

Identify the CORRECT statements with respect to CSS.

- a) CSS is used for giving style for HTML content
- b) External style sheet can be used only for one HTML page in a website

Choose most appropriate option.

Select one:

- a. only b
- b. neither a nor b
- c. both a and b
- d. only a ✓

The correct answer is: only a

## Question 43

Correct

Mark 1 out of 1

Which of the following statements is TRUE for CSS?

- A. An external style sheet is ideal when the style is applied to many pages
- B. An inline style created for a html tag can be reused for other tags in same page.

Choose most appropriate option.

Select one:

- a. Only B
- b. Only A ✓
- c. Both A and B
- d. Neither A nor B

## Question 44

Correct

Mark 1 out of 1

Refer the incomplete HTML code given below

```
<table border="2" _____=10>
<tr> <th>Employee Name</th>
<th>Department</th> </tr>
<tr> <td>Jack</td>
<td>LKM</td> </tr>
<tr> <td>Ace</td><td>Delivery</td> </tr>
</table>
```

Identify the appropriate option to be placed in the spaceso that for each cell, there will be a space between the cell border and its respective content Choose most appropriate option.

Select one:

- a. cellpadding ✓
- b. colspan
- c. colspace
- d. cellspacing

The correct answer is: cellpadding

## Question 45

Correct

Mark 1 out of 1

Refer the incomplete HTML code given below.

```
<input type="text" name="firstname" _____ = "5" />
```

It is required to restrict the maximum number of characters being entered in the above text box to 5. From the given option, identify the CORRECT option which can replace "\_\_\_\_\_" to meet the above requirement. Choose most appropriate option.

Select one:

- a. maxlength ✓
- b. maxsize
- c. size
- d. length

The correct answer is: maxlength

## Question 46

Correct

Mark 1 out of 1

What would be the output of the following Java Script?

```
<html>
<body>
<script>
var key1=1; document.write(typeof(key1) + " ");
var key2=null; document.write(typeof(key2));
</script>
</body>
</html>
```

Choose most appropriate option.

Select one:

- a. number object ✓
- b. number undefined
- c. int undefined
- d. int object

The correct answer is: number object

## Question

Correct

Mark 1 out of 1

```

<script>
var x = (3 + 3) + 4 + "6"; alert(x); //line 1
</script>
</body>
</html>

```

What will be printed in alert box in line 1? Choose most appropriate option.

Select one:

- a. 3346
- b. 646
- c. 106 ✓
- d. 16

The correct answer is: 106

## Question 48

Correct

Mark 1 out of 1

Consider the HTML code given below.

```

<html>
<head>
<script>
var key=10;
function add(){
 var key=20;
 window.key=key+1;
 document.write(key);
 document.write(" ");
 print();
}
function print(){
 document.write(key);
}
</script>
</head>
<body>
<form>
<input type="submit" onclick="add()" />
</form>
</body>
</html>

```

What will be displayed after executing the above code?

Choose the most appropriate option.

Select one:

- a. 11 10
- b. 11 11
- c. 21 21
- d. 20 21 ✓

Your answer is correct.

The correct answer is: 20 21

**Question****49**

Correct

Mark 1 out of 1

What would be the output of the Javascript code given below:

```
<html>
<body>
<script>
var num1=100;
function test(){
 num2=200;
 var num1=300;
 num1=num2;
}
test();
document.write(num1 + "-" + num2);
</script>
</body>
</html>
```

Select one:

- a. 300-100
- b. 200-200
- c. 100-200 ✓
- d. 300-200

Your answer is correct.

The correct answer is: 100-200

**Question****50**

Correct

Mark 1 out of 1

How many cells will be created after executing the below HTML code?

```
<html>
<body>
<table border="1">
<tr> <td colspan="3"> Jack </td> </tr>
<tr> <td colspan="2"> Tom </td> <td> Mark </td> </tr>
<tr> <td rowspan="2"> John</td> <td> James</td> <td> Mary</td> </tr>
<tr> <td> Helen</td> <td> Sam </td> </tr>
</table>
</body>
</html>
```

Select one:

- a. 10
- b. 9
- c. 8 ✓
- d. 7

Your answer is correct.

The correct answer is: 8

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**Grade** 39 out of 50 (78%)

### Question 1

Correct

Mark 1 out of 1

The employee table contains EmployeeNumber, EmployeeName, Salary and DeptCode Columns. Which is the CORRECT SQL query to display DeptCode and average salary of each department? Choose most appropriate option.

Select one:

- a. SELECT DeptCode,avg(salary) FROM Employee GROUP BY EmployeeNumber;
- b. SELECT DeptCode,avg(salary) FROM Employee GROUP BY Salary;
- c. SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode; ✓
- d. SELECT DeptCode,avg(salary) FROM Employee;

The correct answer is: SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode;

### Question 2

Correct

Mark 1 out of 1

Identify the CORRECT SQL statement(s) to remove ONLY the data from "Employee" table?

- (i) DROP TABLE Employee;
- (ii) DELETE FROM Employee;
- (iii) TRUNCATE TABLE Employee;

Choose most appropriate option.

Select one:

- a. (i), (ii) and (iii)
- b. Both (ii) and (iii) ✓
- c. Both (i) and (ii)
- d. Both (i) and (iii)

The correct answer is: Both (ii) and (iii)

### Question 3

Correct

Mark 1 out of 1

Which is the CORRECT SQL statement to add the new column "DateOfJoining" to an existing table "Employee"? Choose most appropriate option.

Select one:

- a. ALTER TABLE Employee MODIFY DateOfJoining DATE;
- b. ALTER TABLE Employee UPDATE DateOfJoining DATE;
- c. ALTER TABLE Employee ADD DateOfJoining DATE; ✓
- d. CREATE TABLE Employee ADD DateOfJoining DATE;

The correct answer is: ALTER TABLE Employee ADD DateOfJoining DATE;

### Question 4

Incorrect

Mark 0 out of 1

Which of the following statement(s) is/are TRUE?

- (i) In a non-correlated(independent) subquery, the subquery is always executed only once.
- (ii) In a non-correlated(independent) subquery, the inner query (sub query) references the column from the outer query (main query).

Choose most appropriate option

Select one:

- a. Only (i)
- b. Only (ii)
- c. Both (i) and (ii) X
- d. Neither (i) nor (ii)

The correct answer is: Only (i)

**Question 5**

Correct

Mark 1 out of 1

Identify the CORRECT SQL statement to create a table with composite primary key. Choose most appropriate option.

Select one:

- a. CREATE TABLE Account (AccountNumber Number(5) CONSTRAINT Acc\_Pkey1 PRIMARY KEY, CustomerId Number(10) CONSTRAINT Acc\_Pkey2 PRIMARY KEY, OpeningDate Date, Balance Number(10,2));
- b. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10) CONSTRAINT Acc\_Pkey2 PRIMARY KEY (AccountNumber,CustomerId), OpeningDate Date, Balance Number(10,2));
- c. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc\_Pkey PRIMARY KEY (AccountNumber,CustomerId)); ✓
- d. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc\_Pkey COMPOSITE PRIMARY KEY (AccountNumber,CustomerId));

The correct answer is: CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc\_Pkey PRIMARY KEY (AccountNumber,CustomerId));

**Question 6**

Correct

Mark 1 out of 1

Which of the following SQL commands is used to remove table "EMPLOYEE" present in the database? Choose most appropriate option.

Select one:

- a. DELETE TABLE EMPLOYEE;
- b. DROP TABLE EMPLOYEE; ✓
- c. REMOVE TABLE EMPLOYEE;
- d. TRUNCATE TABLE EMPLOYEE;

The correct answer is: DROP TABLE EMPLOYEE;

**Question 7**

Incorrect

Mark 0 out of 1

which command help us to get back the permission of accessing the table.

Select one:

- a. revoke
- b. rollback
- c. grant X
- d. commit

The correct answer is: revoke

**Question 8**

Correct

Mark 1 out of 1

State True/False?

The names of the foreign key field and the referenced field(in parent table) may be same or different, but must have the same data type.

Select one:



The correct answer is: True

## Question 9

Correct

Mark 1 out of 1

Given a table Projects, which of the following SQL queries will display records that contains Sub-String "SAP" anywhere in the ProjectName ? Choose most appropriate option.

Select one:

- a. SELECT \* FROM Projects WHERE ProjectName LIKE '%SAP';
- b. SELECT \* FROM Projects WHERE ProjectName LIKE 'SAP%';
- c. SELECT \* FROM Projects WHERE ProjectName = '%SAP%';
- d. SELECT \* FROM Projects WHERE ProjectName LIKE "%SAP%"; ✓

The correct answer is: SELECT \* FROM Projects WHERE ProjectName LIKE "%SAP%";

## Question 10

Incorrect

Mark 0 out of 1

Consider the table Products(pid, pname, pcost). Identify the appropriate SQL statement to rename the table to ProductsInfo . Choose most appropriate option.

Select one:

- a. ALTER TABLE Products UPDATE TO ProductsInfo;
- b. ALTER TABLE Products RENAME ProductsInfo; ✗
- c. ALTER TABLE RENAME Products TO ProductsInfo;
- d. ALTER TABLE Products RENAME TO ProductsInfo;

The correct answer is: ALTER TABLE Products RENAME TO ProductsInfo;

## Question 11

Correct

Mark 1 out of 1

Consider the table Projects, has following records.

**ProjectId      Start\_date**

-----  
100            12-Jan-2017

Which of the following SQL statement retrieve the output as follows?

**Start\_date**

-----  
JAN, 12-2017

Choose most appropriate option.

Select one:

- a. SELECT TO\_CHAR(Start\_date,'MON, DD-YYYY') FROM Projects; ✓
- b. SELECT TO\_DATE(Start\_date,'MON, DD-YYYY') FROM Projects;
- c. SELECT TO\_CHAR(Start\_date,'MMM, DD-YYYY') FROM Projects;
- d. SELECT TO\_DATE(Start\_date,'MMM, DD-YYYY') FROM Projects;

The correct answer is: SELECT TO\_CHAR(Start\_date,'MON, DD-YYYY') FROM Projects;

## Question 12

Correct

Mark 1 out of 1

Consider the table Employee(empid, empname, designation). Identify the appropriate SQL statement to retrieve all employees whose designation is either 'S' or 'A'. Choose most appropriate option.

Select one:

- a. SELECT \* FROM Employee WHERE designation =(‘S’ , ‘A’);
- b. SELECT \* FROM Employee WHERE designation = (“S” , “A”);

- d. SELECT \* FROM Employee WHERE designation =('S' OR 'A');

The correct answer is: SELECT \* FROM Employee WHERE designation IN('S', 'A');

## Question 13

Correct

Mark 1 out of 1

Consider the following tables:  
 Vendor (VendorId, VendorName, PhoneNumber). Here VendorId is the primary key.  
 Item (ItemCode, UnitPrice, QuantityOnHand, VendorId) Here ItemCode is the primary key and VendorId is the foreign key referencing the VendorId in Vendor Table.

Which is the CORRECT SQL query to display ItemCode, UnitPrice, VendorName for all Items. It should also display the details of the item which is not having any vendor?

Choose most appropriate option

Select one:

- a. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId;
- b. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId; ✓
- c. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item, Vendor WHERE Item.VendorId = Vendor.VendorId;
- d. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId AND Item.VendorId IS NULL;

Your answer is correct.

The correct answer is: SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId;

## Question 14

Incorrect

Mark 0 out of 1

Consider the below tables.

Event(eventId,eventName) – eventId is primary key  
 Employee(empId, empName, eventId) – empId is primary key and eventId is foreign key referring to Event table.  
 Identify the correct SQL statement to retrieve empId, empName and eventName for all employees. If employee has not registered for an event then it should display 'Not Registered'.

Select one:

- a. SELECT e1.empId, e1.empName, NVL(e2.eventName,'Not Registered') FROM event e2 INNER JOIN employee e1 ON e2.eventId=e1.eventId; ✗
- b. SELECT e1.empId, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 LEFT OUTER JOIN event e2 ON e1.eventId=e2.eventId;
- c. SELECT e1.empId, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 RIGHT OUTER JOIN event e2 ON e1.eventId=e2.eventId;
- d. SELECT e1.empId, e1.empName, NVL(e2.eventName,'Not Registered') FROM event e2 LEFT OUTER JOIN employee e1 ON e2.eventId=e1.eventId;

Your answer is incorrect.

The correct answer is: SELECT e1.empId, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 LEFT OUTER JOIN event e2 ON e1.eventId=e2.eventId;

## Question 15

Incorrect

Mark 0 out of 1

Consider Project table given below.

PROJECTID EMPLOYEEID

PROJECTID	EMPLOYEEID
1	10
2	11
1	13

- a. SELECT DISTINCT projectid FROM project WHERE projectid IN( SELECT projectid FROM project WHERE COUNT(employeeid)>1); 
- b. SELECT DISTINCT projectid FROM project WHERE projectid IN( SELECT projectid FROM project GROUP BY projectid WHERE COUNT(employeeid)>1);
- c. SELECT DISTINCT projectid FROM project WHERE projectid IN( SELECT projectid FROM project HAVING COUNT(employeeid)>1);
- d. SELECT DISTINCT projectid FROM project WHERE projectid IN( SELECT projectid FROM project GROUP BY projectid HAVING COUNT(employeeid)>1);

Your answer is incorrect.

The correct answer is: SELECT DISTINCT projectid FROM project WHERE projectid IN( SELECT projectid FROM project GROUP BY projectid HAVING COUNT(employeeid)>1);

## Question 16

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i=10;
 while(++i<15)
 {
 System.out.print(i + " ");
 }
 }
}
```

Choose the most appropriate option.

Select one:

- a. 10 11 12 13 14
- b. 15
- c. 11 12 13 14 
- d. 14

The correct answer is: 11 12 13 14

## Question 17

Correct

Mark 1 out of 1

Which of the following statement/s is/are TRUE?

- (1) Abstract method can have body
- (2) Abstract class cannot be instantiated
- (3) Abstract class can have constructor

Choose the most appropriate option.

Select one:

- a. Both (1) and (3) are TRUE
- b. Both (1) and (2) are TRUE
- c. Both (2) and (3) are TRUE 
- d. Only (2) is TRUE

The correct answer is: Both (2) and (3) are TRUE

## Question 18

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class Employee
{
 private static int count; static
```

```

public Employee()
{
 Employee.count = 201;
}
public static int getCount()
{
 return Employee.count;
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 Employee emp = new Employee();
 System.out.println(emp.getCount());
 }
}

```

Choose the most appropriate option.

Select one:

- a. 201 ✓
- b. 0
- c. null
- d. 101

The correct answer is: 201

## Question 19

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```

class StringSample
{
 public StringSample(String string)
 {
 System.out.println("The string is " + string);
 }
}
public class ConstructorTester1
{
 public static void main(String[] args)
 {
 StringSample stringSample = new StringSample();
 StringSample stringSample1 = new StringSample("Test String");
 }
}

```

Choose the most appropriate option.

Select one:

- a. The string is Test String
- b. Compilation Error: The constructor StringSample() is undefined ✓
- c. The string is null The string is Test String
- d. The string is null

The correct answer is: Compilation Error: The constructor StringSample() is undefined

## Question 20

Correct

Mark 1 out of 1

Consider the Java code given below. How many times "1" will be printed when the code is executed?

```

public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i = -1;
 while(++i <= 1)
 {
 System.out.println("1");
 }
 }
}

```



}

Choose the most appropriate option.

Select one:

- a. Nothing will be printed.
- b. 2 times
- c. 3 times
- d. 1 time ✓

The correct answer is: 1 time

## Question 21

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i=0;
 for(i=0; i<10; i++)
 {
 if(i == 5)
 {
 continue;
 }
 i++;
 System.out.print(i + " ");
 }
 }
}
```

Choose the most appropriate option.

Select one:

- a. 1 3 5 7 9 ✓
- b. 1 2 3 4 6 7 8 9
- c. 1 2 3 4 5 6 7 8 9
- d. 1 2 3 4 and then program will get into infinite loop

The correct answer is: 1 3 5 7 9

## Question 22

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i;
 for(i = 1; i <=3; i++);
 {
 System.out.println(i);
 }
 System.out.println(i);
 }
}
```

Choose the most appropriate option.

Select one:

- a. 1 to 3 will be displayed on the console
- b. 3 will be displayed twice on the console
- c. 1 to 4 will be displayed on the console
- d. 4 will be displayed twice on the console ✓



## Question 23

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int[] array = {11,22,33,44,55,11};
 int searchNumber = 11, position=999;
 for(int index=0; index < array.length; index++)
 {
 if(searchNumber == array[index])
 {
 position = index;
 }
 } System.out.println(position);
 }
}
```

Choose the most appropriate option.

Select one:

- a. 6
- b. 1
- c. 5
- d. 0 ✘

The correct answer is: 5

## Question 24

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class Vehicle
{
 protected String enginePower;
 public Vehicle()
 {
 this.enginePower = "100CC";
 }
 public String getEnginePower()
 {
 return this.enginePower;
 }
}
public class PassengerVehicle extends Vehicle
{
private int capacity;
public PassengerVehicle()
{
this.capacity = 50;
this.enginePower = "150CC";
}
public int getCapacity()
{
return this.capacity;
}
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 Vehicle vehicle = new PassengerVehicle();
 System.out.println(vehicle.getEnginePower());
 }
}
```

Choose the most appropriate option.

Select one:

- a. 100CC
- b. 150CC ✓



The correct answer is: 150CC

## Question 25

Correct

Mark 1 out of 1

Consider the Java code given below. After the execution of the code what will be the content of "array2"?

```
public class Tester
{
 public static void main(String[] args)
 {
 int array1[] = {71,12,23,34};
 int array2[] = new int[4];
 int count = 0;
 for (int i = 0; i < array2.length; i++)
 {
 if(array1[i]%2==0)
 {
 array2[count]=array1[i];
 count++;
 }
 }
 }
}
```

Choose the most appropriate option.

Select one:

- a. 12 34 0 0 ✓
- b. 12 34
- c. 12 0 34 0
- d. 0 0 12 34

The correct answer is: 12 34 0 0

## Question 26

Not answered

Marked out of 1

What will be the output of the following Java code?

```
class Event
{
 static int eventId;
 public static void main(String[] args)
 {
 Event e1=new Event();
 e1.eventId=100;
 Event e2=e1; e2.eventId=200;
 Event e3=new Event();
 System.out.println(e1.eventId+ " "+ e2.eventId + " "+ e3.eventId);
 }
}
```

Choose the most appropriate option.

Select one:

- a. 200 200 200
- b. 100 100 100
- c. 100 200 200
- d. 100 200 0

The correct answer is: 200 200 200

## Question 27

Correct

Mark 1 out of 1

Predict the line of code

```
Abstract class Base1
{
 protected void getDetails()
```



```
 public Abstract void demomethod();
}
Abstract class Base2 extends Base1
{
 public Abstract void samplmethod();
}
class Derived extends Base2
{
 //Line1
}
```

Select one:

- a. Derived class need to override both "samplmethod" and "demomethod" ✓
- b. only "samplmethod" need to overrided in Dervied class
- c. Error: abstract class can't extends other abstract class
- d. none of the option

The correct answer is: Derived class need to override both "samplmethod" and "demomethod"

## Question 28

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class LocalVariableTester
{
 public static void main(String[] args)
 {
 int data1=8, data2;
 if(data1 >= 10)
 {
 data2 = 20;
 }
 System.out.println(data1 + " " + data2);
 }
}
```

Choose the most appropriate option

Select one:

- a. 10 null
- b. 10 0
- c. Compilation error: The local variable 'data2' may not have been initialized ✓
- d. 10 20

The correct answer is: Compilation error: The local variable 'data2' may not have been initialized

## Question 29

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class BaseClass
{
 public static void method()
 {
 System.out.println("1");
 }
}
public class DerivedClass extends BaseClass
{
public static void method()
{
System.out.println("2");
}
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 BaseClass ref = new DerivedClass();
```



{

Choose the most appropriate option.

Select one:

- a. Program will display both 1 and 2
- b. 1 ✓
- c. 2
- d. Compilation error at Line-1: Ambiguous method call 'ref.method()'

The correct answer is: 1

## Question 30

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class MyClass
{
 public static void main (String[] args)
 {
 int value1=33;
 int value2=-value1;
 int value3=value1++;
 System.out.println(value1+" "+value2+" "+value3);
 }
}
```

Choose the most appropriate option.

Select one:

- a. 32 32 32
- b. 32 33 32
- c. 32 32 33
- d. 33 32 32 ✓

The correct answer is: 33 32 32

## Question 31

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class Employee
{
 private static int employeeCount;
 public Employee()
 {
 employeeCount++;
 //Line-1
 }
 public static int getEmployeeCount()
 {
 return Employee.employeeCount;
 }
}
public class StaticTester
{
 public static void main(String[] args)
 {
 Employee emp1 = new Employee();
 Employee emp2 = new Employee();
 Employee emp3 = new Employee();
 System.out.println(Employee.getEmployeeCount());
 }
}
```

Choose the most appropriate option.

Select one:

- a. 3 ✓



C. i

- d. Compilation error at Line-1: Cannot use static member 'employeeCount' in a non-static context

The correct answer is: 3

## Question 32

Correct

Mark 1 out of 1

What is the output of the below code?

```
public class Calculator
{
 public static void main(String[] args)
 {
 int result = 0;
 Calculator calculator = new Calculator();
 calculator.add(10, 20, result);
 System.out.println("Result : " + result);
 }
 public void add(int num1, int num2, int result)
 {
 result = num1 + num2;
 }
}
```

Choose the most appropriate option.

Select one:

- a. Result : null  
 b. Result : 30  
 c. Result: 20  
 d. Result : 0 ✓

The correct answer is: Result : 0

## Question 33

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int[] array = {-9,-11-8,-100,-78};
 int minimum = 0;
 for(int index=0; index < array.length; index++)
 {
 if(minimum < array[index])
 { minimum = array[index];
 }
 }
 System.out.println(minimum);
 }
}
```

Choose the most appropriate option.

Select one:

- a. -100  
 b. -8  
 c. 0 ✓  
 d. null

The correct answer is: 0

## Question 34

What will be the output of the following Java code?

Mark 1 out of 1

```

public Employee()
{
 this.salary = 10000.0;
}
public static void updateSalary(Employee emp)
{
 emp.salary = emp.salary + 10000.0;
 //Line-1
}
public double getSalary()
{
 return this.salary;
}
ApplicationTester .java public class ApplicationTester
{
 public static void main(String[] args)
 {
 Employee emp1 = new Employee();
 Employee emp2 = new Employee();
 Employee.updateSalary(emp1);
 System.out.println(emp1.getSalary() + " " + emp2.getSalary());
 }
}

```

Choose the most appropriate option.

Select one:

- a. 0.0 10000.0
- b. 20000.0 10000.0 ✓
- c. 10000.0 10000.0
- d. Compilation error at Line-1: Cannot 'emp.salary' in a static context

The correct answer is: 20000.0 10000.0

## Question 35

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```

public class ApplicationTester
{
 public static void main(String[] args)
 {
 for(int i=0; i<=10; i++)
 {
 if(i>6)
 break;
 System.out.println(i); //Line-1
 }
 }
}

```

Choose most appropriate option.

Select one:

- a. 6
- b. null
- c. 5
- d. Compilation error at Line-1: i cannot be resolved to a variable ✓

The correct answer is: Compilation error at Line-1: i cannot be resolved to a variable

## Question 36

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```

public class Account
{
 public void deposite(int amount)
 {
 System.out.println("Account deposited with: " + amount);
 }
}

```

```

 ` this.deposite(100);
 }
}
public class SavingsAccount extends Account
{
public void deposite(int amount)
{
System.out.println("Savings Account deposited with: " + amount);
}
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 Account account = new SavingsAccount();
 account.transaction();
 }
}

```

Choose the most appropriate option.

Select one:

- a. Account deposited with: 100
- b. Savings Account deposited with: 100 ✓
- c. Savings Account deposited with: 0
- d. Account deposited with: 0

The correct answer is: Savings Account deposited with: 100

## Question 37

Correct

Mark 1 out of 1

which of the following is block level html tags?

Select one:

- a. <b>
- b. <i>
- c. <h6> ✓
- d. <a>

Your answer is correct.

The correct answer is: <h6>

## Question 38

Incorrect

Mark 0 out of 1

'link', 'vlink' and 'alink' are attributes of which HTML tag?

Choose the most appropriate option.

Select one:

- a. <img>
- b. <body>
- c. <head>
- d. <a> ✗

Your answer is incorrect.

The correct answer is: <body>

## Question 39

Incorrect

Assume abc.html is existing and a valid HTML page. Refer the code below:

```
<form action="abc.html">
First Name: <input type="text"/>

```



```
<input type="submit" value="Submit" />
</form>
```

How many HTML controls will be displayed on the browser, when the above page is run on browser? Choose most appropriate option

Select one:

- a. 5
- b. 4 ✗
- c. 7
- d. 3

The correct answer is: 3

## Question 40

Correct

Mark 1 out of 1

Johana wants to display "Welcome to JS!!" as a pop up message using JavaScript. Which of the following suits her requirement?

Select one:

- a. alertmsg("Welcome to JS!!");
- b. alert("Welcome to JS!!"); ✓
- c. alert(Welcome to JS!!);
- d. alertBox("Welcome to JS!!");

The correct answer is: alert("Welcome to JS!!");

## Question 41

Correct

Mark 1 out of 1

In HTML, Which of the following is used to merge columns in a table? Choose most appropriate option.

Select one:

- a. columnspan
- b. columns-span
- c. colspan ✓
- d. cspan

The correct answer is: colspan

## Question 42

Correct

Mark 1 out of 1

What would be the Output of the below java script Code?

```
<html> <body>
<script>
var x = 5; var d = (x != "5");
document.write(d + "--");
d = (x === "5"); document.write(d);
</script> </body>
</html>
```

Choose most appropriate option.

Select one:

- a. true–false
- b. false–true
- c. false–false ✓
- d. true–true

The correct answer is: false–false

**Question  
43**

Correct

Mark 1 out of 1

- Identify the CORRECT statements with respect to CSS.
- a) CSS is used for giving style for HTML content
  - b) External style sheet can be used only for one HTML page in a website
- Choose most appropriate option.

Select one:

- a. both a and b
- b. only b
- c. only a ✓
- d. neither a nor b

The correct answer is: only a

**Question  
44**

Correct

Mark 1 out of 1

```
<!DOCTYPE html>
<html>
<body>
<script>
var x = (3 + 3) + 4 + "6"; alert(x); //line 1
</script>
</body>
</html>
```

What will be printed in alert box in line 1? Choose most appropriate option.

Select one:

- a. 646
- b. 3346
- c. 16
- d. 106 ✓

The correct answer is: 106

**Question  
45**

Correct

Mark 1 out of 1

Identify the CORRECT HTML code to define the state of the hyperlink. The requirement is to display the hyperlink "Click" in RED color if user has already visited "https://portal.accenture.com". Choose most appropriate option.

Select one:

- a. <html>
<body link="red" >
<a href="https://portal.accenture.com/"> Click </a>
</body>
</html>
- b. <html>
<body vlink="red" >
<a href="https://portal.accenture.com/">Click </a>
</body>
</html> ✓
- c. <html>
<body>
<a href="https://portal.accenture.com/" vlink="red"> Click </a>
</body>
</html>
- d. <html>
<body>
<a href="https://portal.accenture.com/" link="red"> Click </a>
</body>
</html>



```
<body> Click
</body>
</html>
```

## Question 46

Correct

Mark 1 out of 1

Refer the code below:

```
<table border="2">
<tr> <th colspan="3"> Employee Details</th></tr>
<tr> <th>Employee Name</th> <th>Department</th> </tr>
<tr> <td>Jack</td> <td>LKM</td> </tr>
<tr> <td>Ace</td><td rowspan="2">Delivery</td> </tr>
<tr> <td>Justin</td> </tr>
</table>
```

How many cells will be displayed when the page is displayed on the browser? Choose most appropriate option.

Select one:

- a. 9
- b. 8 ✓
- c. 7
- d. 10

The correct answer is: 8

## Question 47

Correct

Mark 1 out of 1

Which of the following is not a method of document object? Choose most appropriate option.

Select one:

- a. getElementById(String)
- b. print(String) ✓
- c. write(String)
- d. getElementByTagName(String)

The correct answer is: print(String)

## Question 48

Not answered

Marked out of 1

Consider the HTML code given below.

```
<html>
<head>
<script>
var key=10;
function add(){
 var key=20;
 window.key=key+1;
 document.write(key);
 document.write(" ");
 print();
}
function print(){
 document.write(key);
}
</script>
</head>
<body>
```

```
<input type="submit" onclick="add()"/>
</form>
</body>
</html>
```

What will be displayed after executing the above code?

Choose the most appropriate option.

Select one:

- a. 20 21
- b. 11 10
- c. 11 11
- d. 21 21

Your answer is incorrect.

The correct answer is: 20 21

## Question 49

Correct

Mark 1 out of 1

How many cells will be created after executing the below HTML code?

```
<html>
<body>
<table border="1">
<tr><td colspan="3"> Jack </td></tr>
<tr><td colspan="2"> Tom </td><td> Mark </td></tr>
<tr><td rowspan="2"> John</td><td> James</td><td> Mary</td></tr>
<tr><td> Helen</td><td> Sam </td></tr>
</table>
</body>
</html>
```

Select one:

- a. 8 ✓
- b. 10
- c. 7
- d. 9

Your answer is correct.

The correct answer is: 8

## Question 50

Not answered

Marked out of 1

Consider the javascript code given below. What would be the print values from line 1 and line 2 on execution?

```
<html>
<body>
<p id="id1"></p><!-- line 1-->
<p id="id2"></p><!-- line 2-->
<script>
var y=10;
myFunction();
document.getElementById("id1").innerHTML = y;
document.getElementById("id2").innerHTML = window.y;
```



```
y=y+window.y
}
</script>
</body>
</html>
```

Choose the most appropriate option.

Select one:

- a. 10 30
- b. 40 40
- c. 10 10
- d. 10 40

Your answer is incorrect.

The correct answer is: 40 40

# SQL:

**5. Consider the table Employee(emplId,jobBand)**

**What is the correct DML statement to update the job band of all employees to**

**NULL? Ans –**

**UPDATE TABLE employee SET jobBand is NULL;**

**UPDATE employee SET jobBand = NULL;**

**UPDATE TABLE employee SET jobBand = NULL;**

**UPDATE employee SET jobBand is NULL;**

**6. Consider the table Employee(emplId,jobBand)**

**What is the correct SQL statement where all unique job band from employee**

**table? Ans –**

**select jobBand DISTINCT from employee;**

**select DISTINCT jobBand,empid from employee;**

**select DISTINCT(jobBand) from employee; // gave right answer as well**

**select DISTINCT jobBand from employee;**

**7. Consider table Account(accountId,balance) Identify the SQL queries which gives the same**

**result Ans –**

**SELECT \* FROM Account WHERE balance>1000 and balance<5000;**

**SELECT \* FROM Account WHERE balance>=1000 OR balance<=5000;**

**SELECT \* FROM Account WHERE balance between 1000 and 5000;**

**SELECT \* FROM Account WHERE balance>=1000 AND balance<=5000;**

**15. What is the command to concatenate fname and lname with a space in between and display the output under the heading of “Full Name”?**

**Employee(eid, fname, lname, salary)**

**Ans**

**Select fname || " " || lname as 'Full Name' from employee;**

**Select fname || " " || lname 'Full Name' from employee;**

Select fname & lname as 'Full Name' from employee;

Select fname & '' & lname 'Full Name' from employee;

**18. Consider the following table structure and write a query to display all the employees who have and don't have department assigned**

**Emp(fname,lname,dno)**

**Dept(deptid,dname)**

**Ans**

Select fname,deptid from emp e, dept d where e.dno(\*)=d.deptid;

**Select fname,deptid,dname from emp e left outer join dept d on**

**(e.dno=d.deptid); Select fname,deptid,dname from emp e, dept d where.dno =  
d.deptid(\*);**

Select fname,deptid,dname from emp e full outer join dept d on (e.no=d.deptid);

**47. Match the following**

**DDL, DML, DCL, TCL**

**GRANT, COMMIT, SELECT, CREATE**

**Ans**

**DDL – CREATE**

**DML – SELECT**

**DCL – GRANT**

**TCL – COMMIT**

**Note:**

**DDL (Data Definition Language) – Create, drop, alter, truncate, comment,**

**rename DQL (Data Query Language) – SELECT**

**DML (Data Manipulation Language) – Insert, update, delete**

**DCL (Data Control Language) - Grant, revoke**

**TCL (transaction Control Language) – Commit, rollback, savepoint, set transaction**

**61. Choose the options which are true with respect to views in SQL?**

**Ans**

**View is a virtue table that does not physically exist**

**Views are used for maintaining logical data independence**

**View do not maintain data integrity**

**View is database objects that physically exist**

**88. Choose the correct order in which the Oracle Server evaluate clauses Ans**

**Where, group by, having**

Where, having, group by

Having, where, group by

Group by, having, where

**99. Predict the output of the below SQL query**

**SELECT DISTINCT CITY FROM CUSTOMER;**

**Ans**

Displays all cities

**Displays unique cities**

**Displays distinct cities**

Query has syntax error

**105. What is the command to fetch employee id, employee name and salary with 10% increase from employee?**

**Employee(eid,ename,salary)**

**Ans**

**Select eid, ename, (salary+salary\*0.1) from employee;**

**Select eid, ename, (salary+salary\*10/100) from employee;**

**Select eid, ename, salary\*10% from employee;**

Select eid, ename, salary\*10/100 from employee;

**108. Two tables joined using SELF JOIN are different tables with the same columns** Ans

True

False

**119. Choose a query that will display the names of colleges where the available seats are between 50 to 100 hint: inclusive of 50 and 100**

Ans

Select college\_name from college where available\_seats=50 and available\_seats=100; Select college\_name from college where available\_seats 50 and available\_seats 100; **Select college\_name from college where available\_seats between 50 and 100;** Select college\_name from college where available\_seats between 50 to 100;

**148. Consider table Event(EventId, dateOfEvent) has following records**

**Event id DateOfEvent**

---

**E1 12-JAN-2018**

**E2**

**E3 13-JUN-2018**

**Identify the appropriate SQL statement to retrieve the eventid for which there is no date available** Ans

**Select eventid from event where dateOfEvent IS NULL;**

Select eventid from event where dateOfEvent = NULL;

Select eventid from event where dateOfEvent LIKE "NULL";

Select eventid from event where dateOfEvent IS "NULL";

**149. Consider table Department(deptId, deptname) Which of the following query is used to display the department details whose dept\_name has second letter as 'a' and second last letter as 'e'?**

**Ans**

**Select \* from department where deptname LIKE '\_a%e\_';**

Select \* from department where deptname LIKE 'a%e\_';

Select \* from department where deptname LIKE '%a%e\_';

Select \* from department where deptname LIKE 'a%e%';

**150. Consider table Product(productId, price) Identify the appropriate SQL statement to display all the product details whose price range is 2500 and 5000 (exclusive 2500 and 5000) choose two most appropriate option**

**Ans**

Select \* from product where price BETWEEN 2500 and 5000;

**Select \* from product where price>2500 and price<5000;**

Select \* from product where price>=2500 and price<=5000;

**Select \* from product where price BETWEEN 2501 and 4999;**

**152. Consider the table Item( ItemCode, ItemName, Price, Category). Which is the correct sql query to display minimum price for categories 'A','C'? Choose most appropriate option**

**Ans- review**

Select Category, MIN(Price) from Item where Category IN ('A','C');

Select Category, MIN(Price) from Item group by category where Category IN

('A','C'); Select MIN(Price) from Item group by Price having Category IN ('A','C');

Select Category, MIN(Price) from Item where Category IN ('A','C') Group by Category;

**153. What would be the output of the SQL statement given below?**

**SELECT TRANSLATE('aAB-Cb-abc', 'abc-','123\*') from DUAL;**

**Ans- 1AB\*C2\*123**

**154. Consider table Account(acId, acctype, balance). Identify the appropriate SQL statement to display account details in the ascending order of balance and in the descending order of acId if the balance is same. Choose most appropriate one**

**Ans**

Select \* from account order by balance, acId DESC;

Select \* from account order by balance ASC,acId;

Select \* from account order by acId DESC, balance ASC;

Select \* from Account Order by acId DESC,balance;

**155. Consider table Students (sid NUMBER (3), sname VARCHAR2 (10), scontact NUMBER (10)) is already created in the database. It is required to change the data type of the column “scontact” to VARCHAR2 (15). Which of the following is Correct for the above requirement?**

**Note: sid column is primary key**

**Choose most appropriate option**

**Ans**

**To change the data type of a column, it is important to ensure that the corresponding column is not having data for any of the record**

There are no criteria to be followed. We can change the datatype of the column irrespective of the data.

Data type can be changed only for primary key column

It is not possible to change the data type of a column

**156. Identify the correct statements with respect to constraints**

**(i) A table can have only one FOREIGN KEY**

**(ii) A column with UNIQUE constraint cannot have NULL value**

**Ans**

Only (i)

Only (ii)

Both (i) and (ii)

**Neither (i) and (ii)**

**172. Consider table Book (boold, bookName, copies) has following**

records bookId bookName copied

---

B1 JAVA 0

B2 4

B3 ORACLE 2

Identify the output of the given sql statement

**SELECT COUNT (bookName) FROM Book WHERE copies>0;**

Ans- 1

**173. Consider table Employee (empId, empname, jobband). Choose the correct sql statement to retrieve all employee ids along with their job band. If job band is not assigned to an employee, then it should display 'NA' as job band (note: Data type of column jobBand is VARCHAR2)**

Ans

**SELECT empId, NVL(jobband),’NA’ FROM Employee;**

**SELECT empId, NVL(jobband,NULL,’NA’) FROM Employee;**

**SELECT empId, NVL(NULL,’NA’,jobband) FROM Employee;**

**SELECT empId, NVL(jobband,’NA’) FROM Employee;**

**175. Consider table Students(studentId,branchId). Identify the correct sql statement to retrieve the branches which has more than 3 students.**

Ans

**SELECT branched FROM Students WHERE COUNT(\*)>3 GROUP BY**

**branched; SELECT branched FROM Students HAVING COUNT(\*)>3;**

**SELECT branched FROM Students GROUP BY studentid HAVING**

**COUNT(\*)>3; SELECT branchid FROM Students GROUP BY branchid**

**HAVING COUNT(\*)>3;**

**194. Consider table Item(itemId, category, unitprice). Identify the appropriate SQL statement to display the category and count of items in each category in the ascending order of item count.**

**It should display the item details only if the count of item is greater than 1**

**Ans**

```
SELECT category, count(itemId) FROM item WHERE Count(itemId)>1 GROUP BY category ORDER BY COUNT (itemId);
```

```
SELECt category, count(itemId) FROM item GROUP BY category HAVING Count(itemId)>1
ORDER BY COUNT(itemId);
```

```
SELECT category, count(itemId) FROM item HAVING Count(itemId)>1 ORDER BY COUNT(itemId);
```

**195. Consider table Item(itemId, category, unitprice). Identify the appropriate SQL statement to display Item id, and discount in the ascending order of discount**

**Ans**

```
Select itemid, discount=unitprice*0.1 from Item order by discount;
```

```
Select itemId, unitprice*0.1 as discount from Item order by discount;
```

```
Select itemid, discount from item order by discount;
```

```
Select itemId, unitprice*0.1 as discount from item order by itemId;
```

**196. You are suppose to create a table “ExamResult” with the following descripton. studentId NUMBER(4), courseid VARCHAR(10), mark NUMBER(3). There should not be duplicate combination of studentId, and courseid in any record. Identify the correct DDL statement to create ExamResult table**

**Ans**

```
CREATE TABLE ExamResult(studentId NUMBER(4), courseid VARCHAR2(10), mark
NUMBER(3), CONSTRAINT er_pk PRIMARY KEY(studentId, courseid));
```

**212. Choose the executable query to display contact\_details by concatenating mail\_id and the phone number of employees (multiple answers possible)**

**Example: table name- employee**

**Mail-id phone\_number**

**123@gmail.com 9755367343**

**Sample output: 123@gmail.com,9755367343**

**Ans**

```
SELECT concat(mail_id, phone_number) as contact_details FROM
```

```
employee; SELECT mail_id, (','), phone_number as contact_details FROM
employee;
SELECT concat(concat(mail_id,','),phone_number) as contact_details FROM
employee; SELECT || mail_id || '' || phone_number as contact_details FROM
employee;
```

**218. Which of these is used to prevent the error ‘ORA-00937’ not a single group group function? Ans**

**Use group by clause**

Use where clause

Use order by clause

Use having clause

**220. Match the following**

**1. Tables 2. Index 3. Views 4. Synonyms 5. Sequences**

**a. store all the data in database**

**b. indicate where data is stored in another table**

**c. modify the user’s view of data to only certain rows and columns in a table** d. definable label for a table

**e. generate unique integers that can be assigned primary keys of tables**

**Ans**

**1-A, 2-B, 3-C, 4-D, 5-E**

1-E, 2-A, 3-B, 4-C, 5-D

1-D, 2-E, 3-C, 4-A, 5-B

1-D, 2-C, 3-E, 4-A, 5-B

**221. Choose an DDL command which delete all rows from the table and where the deleted data cannot be rolled back (hint: Table structure should not get deleted)?**

**Ans**

DROP

TRUNCATE

DELETE

None of the above

**227. Consider the query**

**Start program**

**DELETE FROM departments WHERE department\_id=50;**

**ERROR 1: ORA-02292: integrity constraint (HR.EMP\_DEPT\_FK) violated – child record**

**found End program.**

**What does the error convey?**

**Ans**

**You cannot delete a row, if the row's primary key column holds a input that is present as a foreign key in another table**

You cannot delete a row when it has column level constraints

You cannot delete a row when it has table level constraints

None of the options

**233. Consider the table Product (pid, pname, pcost) Identify the appropriate SQL statement to rename the table to ProductsInfo.**

**Ans**

**ALTER TABLE Products RENAME TO ProductInfo;**

**234. Consider the table Account (acctid, balance, accountType). The following constraints to be enforced**

**1. Acctid should be unique and NOT NULL**

**2. Account type should be 'C' or 'S'. Balance should be greater than 1000 and 3000 for account type 'C' and 'S' respectively.**

**Identify the CORRECT SQL statement to create the Account table with the above mentioned constraints.**

**Ans**

```
CREATE TABLE account (accid NUMBER (2) CONSTRAINT acc_pk PRIMARY KEY, balance
NUMBER (4), accountType CHAR , CONSTRAINT acc_chk CHECK (accountType='S' AND
balance>3000) OR (accountType='C' AND balance>1000));
```

**246. in which of the following statements can sub queries used?**

**Ans –**

**SELECT statement and UPDATE statement**

Alter statement

**DELETE statement**

All of the above

**50. You must explicitly commit GRANT on tables. State true or false**

**Ans**

True

False

**134. Constraints ensures \_\_\_\_\_ and \_\_\_\_\_ of the data in the**

**database Ans**

Correctness

**Reliability**

Reuse

**Redundancy**

# HTML/CSS/XML/Javascript/

**22. Identify the correct CSS representation for a paragraph**

**Ans**

p{padding:25px;}

p{padding=25px;}

p=padding:25px;

p: padding: 25px;

**23. Which attribute is used to reference an xml schema in an xml**

**document Ans**

**xsi:schemaLocation**

xsi:Location

xsd:schemaLocation

xsi=schemaLocation

**46. Which jquery syntax hides all the paragraph elements**

**Ans-**

**\$(“p”).hide();**

**\$(p).hide();**

```
$(“p”).hide();
(“p”).hide();
```

**48. Which is the root element of every XSD?**

**Ans**

**Schema**

Root

Schema xsd

Base

**45. What is the output of the following script**

```
<script>var x=16+4+”100”
alert(x)</script>
```

**Ans – 20100**

**53. In HTML, what is the default min and max values for the input type called range? Ans**

**Min=0, max=100**

Min=1, max=10

Min=0, max=10

Min=1, max=100

**74. Which xsd correctly defines a restriction on votingage element where the value is between 18 and 130**

**Ans-**

```
<x:element name=”votingage”><x:complexType><x:restriction
base=”x:integer”><x:minInclusive value=”18”/><x:maxInclusive
value=”130”/></x:restriction></x:complexType></x:element>
```

**96. Which script code produces the output as Welcome to “Javascript”**

**Ans-**

```
<script>var x="welcome to \"Javascript\""; alert(x);</script>
<script>var x="welcome to "Javascript""; alert(x);</script>
<script>var x="welcome to \"Javascript\""; x. alert(x);</script>
<script>var x1="welcome to \"Javascript\""; alert(x);</script>
```

**97. Which is not an attribute of schema element**

**Ans**

targetnamespace  
xmlns

elementFormDefault

**version**

**98. What is the output of the following code?**

```
<script> var str="A bag of apples is full of apples"; var
pos=str.indexOf('apples');alert(pos)</script> Ans= 9
```

**104. Consider the following CSS script**

**Start program**

**padding: 20px, 30px;**

**end program**

**what is the order of padding property that has two values?**

**Ans**

Top and right, left and bottom

Right and left, top and bottom

**Top and bottom, right and left**

Right and bottom, top and left

**107. What attribute is used to indicate that an attribute is required for an element in the XSD Ans**

use  
required  
needed  
mandatory

**109. In HTML, what is the default type of an input element?**

**Ans**

submit  
**text**  
hidden  
Reset

**111. Which element is used to indicate that elements defined in the xsd must appear in the same order in the xml file**

**Ans-**

<xs: sequence>  
<xs: ordered>  
<xs: queue>  
<xs: same-order>

**112. Which is the HTML5 equivalent of <div id=" content">**

**Ans-**

<section>  
<body>  
<article>  
<header>

**113. Which script displays an alert box with the required information when a button with the name msgbtn is clicked**

**Ans-**

```
<script>document.getElementById("msgbtn").addEventListener("click",function(){alert("Welcome to button clicks!");});</script>

<script>document.getElementById("msgbtn").EventListener("click",function(){alert("Welcome to button clicks!");});</script>

<script>document.getElementById("msgbtn").includeEventListener("click",function(){alert("Welcome to button clicks!");});</script>

<script>document.getElementById("msgbtn").addEventListerner("click",function={alert("Welcome to button clicks!");});</script>
```

**117. In javascript, which of the following popup boxes has the cancel button? Choose**

**one Ans**

Alert box and prompt box

Alert box and confirm box

**Confirm box and prompt box**

Alert box, prompt box and confirm box

**118. which of the following is correct if the xsd is <xsd:element name="bgcolor" type="xsd:string" fixed="green"/>**

**Ans-**

```
<bgcolor>green</bgcolor>

<bgcolor>red</bgcolor>

<bgcolor>green</bgcolor>

<bgcolor>GREEN</bgcolor>
```

**120. What will be the XSD definition for the following element**

**<age>40</age> Ans-**

```
<xsd:element name="age" type="xsd:integer"/>

<xsd:element name="age" type="Integer"/>

<element name="age" type="xsd:integer"/>
```

```
<xs:element name="age" type="xs:int"/>
```

**121. Which is the correct implementation for a progress bar in HTML5**

**Ans- #review**

```
<progress value="20" max="100"></progress>
<progress value:20 max:100></progress>
<progress value max="20","100"></progress>
<progress value="20" and max="100"></progress>
```

**124. Identify which is not an XML Naming Rule**

**Ans**

The names of elements are case- sensitive

Names of elements must not contain spaces

**Element names can start with letters xml**

An underscore can be used to start an element name

**125. Which is not part of HTML5 API**

**Ans**

HTML Geolocation

HTML application cache

HTML Drag and Drop

**HTML Geography**

**126. In javascript, which of the following code is valid to get an html element by**

**name? Ans**

**document.getElementsByName**

document.getElementByName

document.getElementsByNames

document.getElementByNames

**145. Which of the following are inline HTML elements**

<i>, <h6>, <a>

**Ans- <i> and <a>**

**159. Assume below code present in the HEAD tag of a HTML page.**

<style> #myclass{background-color: lightgrey; color:blue;}</style>

**Identify the appropriate HTML code to USE the style given Above**

**Ans-**

<h1 id="myclass"> Welcome to My Homepage</h1>

<h1 style="myclass"> Welcome to My Homepage</h1>

<h1 class="myclass"> Welcome to My Homepage</h1>

<h1 id=".myclass"> Welcome to My Homepage</h1>

**168. Which of the following are Correct statement**

**a. onClick() and onFocus() are DOM events**

**b. In javascript a browser is represented by an implicit object called**

**Document c. Java script is used server-side validation**

**Ans**

A and c

**Only a**

B and c

A and b

**185. Which is the correct CSS code to display the text “Accenture” in light grey background? Choose most appropriate option**

**Ans-**

<h2 style = “background-color : lightgrey”> Accenture </h2>

<h2 background-color : lightgrey> Accenture </h2>

<h2 style = “background-color(lightgrey)”> Accenture </h2>

<h2 style = “background-color = lightgrey”> Accenture </h2>

**186. Which of the following are the CSS selectors?**

- a. Element selector
- b. form selector
- c. class selector

**Ans**

A and b

**A and c**

B and c

A, b and c

**236. Display the contents present inside <h1> tag in uppercase. Which of the following options will suit the requirement?**

**Ans- h1{text-transform: uppercase;}**

**238. In a CSS script, each property of an element is separated by a \_\_\_\_\_**

**Ans – semicolon (;**

**239. In CSS script, which of the following style is used to print a table with double border? Ans- border-style: double;**

**240. An external Java script file can be included in an HTML code using the \_\_\_\_\_ attribute in a script tag**

**Ans – src**

**242. Which of the following tag is not supported in HTML5 but used in HTML4? Ans- <hr>**

**244. The object which is used to fetch the input from an element for processing is \_\_\_\_\_**

**Ans- document**

Form

navigate

# UNIX/FILE/VI\_EDITOR

**14. Which command in UNIX is used for clearing the Screen?**

**Ans**

clrscr

cls

**clear**

clearscreen

**16. From the below list which files will be listed using the following**

**command ls chap(^1-4)**

**Ans**

Chap4

**Chap5**

**Chap6**

**Chap7**

**26. Path is used to locate file in Unix filesystem. The types of path supported are \_\_\_\_\_ and \_\_\_\_\_**

**Ans-**

**Absolute**

**Relative**

**Reference**

**Dynamic**

**28. Below statement is an example of \_\_\_\_\_ path in Unix**

**&cd /home/course/CSE/C++**

**Ans**

**Absolute**

**Relative**

**Reference**

**Dynamic**

**29. Predict the output of below command**

**grep "Atul" employee.txt || echo "not found"**

**Ans**

Searches for Atul and echoes "not found"

Searches for Atul

Searches for Atul and displays

**Searched for Atul and echoes "not found" when not found**

**35. Unix file system is a collection of files and directories organized in a \_\_\_\_\_**

**manner Ans- hierarchical**

**49. The kernel is the core part of UNIX operating system. Choose 3 tasks achieved by Kernel from the list below**

**Ans**

**Performs disk operations**

**Manages I/O operations**

**Performs memory and processes management**

Interfaces between user and operating system

**54. Root is a super user in Unix operating system and it is represented using**

**\_\_\_\_\_ Ans-**

\$

/

>

~

**63. Name the Unix command to perform safe shut down a Unix**

**system Ans**

Poweroff

**Shutdown**

Reboot

**102. Predict the output of the following command**

**\$ who | tee userlist.txt**

**Ans-**

The command displays the output on the monitor

**The command displays the output of who in the monitor and also saves the output in**

**userlist.txt** The command saves the output in userlist.txt

The command displays an error message on the monitor

**106. UNIX is more commonly used operating system in comparison with other OS. Choose two reason from the below options in support of this statement.**

**Ans**

**It is open source software**

**It is highly secure**

It is user friendly

Has good graphical user interface

**122. Which command is used to get intermediate result in a pipeline of commands in Unix Ans-**

tee

grep

wc

ls

**127. Which of the following options in UNIX can be used for printing the calendar for December 2019?**

**Ans-**

**\$ cal 12 2019**

**\$ cal dec 2019**

**\$ cal December 2019**

**\$ calendar 2019**

**128. Kernel of UNIX operating system is written using \_\_\_\_\_**

**Ans**

C

C++

**VC++**

JAVA

**130. Which option can be used to perform a forward search of string in the vi editor Ans-**

**/string**

/find  
?find  
?string

**131. Unix executables are stored in which path?**

**Ans-**

/dev  
**/bin**  
/usr  
/tmp

**132. Which command can be used for navigating 5 pages forward in vi**

**editor Ans**

5 ctrl + f  
5 ctrl +b  
5 ctrl + a 20 times  
5 ctrl +c 20 times

**219. Which key can be used to change the mode from input mode to command**

**mode? Ans**

**Esc**  
Esc + i  
Esc + a  
Esc + l

**222. Match the following data command with the correct output**

**Consider today's date is 22<sup>nd</sup> April 2020**

**1. date +%b 2. date +%D 3. date +%F 4. date +%H**

**With**

**a. Apr b. 04/22/20 c. 20-04-22 d.05**

**Ans**

**1-A, 2-B, 3-C, 4-D**

**1-D, 2-A, 3-B, 4-C**

**1-D, 2-B, 3-C, 4-A**

**1-D, 2-C, 3-B, 4-A**

**225. Match the metacharacters with the respective types**

**1. ?"[]![!] 2. > >> < << 3. ,() & && || 4. \$1 to \$9**

**a. Positional parameters b. Filename substitution c. I/O Redirection d. Process Execution**

**Ans**

**1-A, 2-B, 3-C, 4-D**

**1-D, 2-A, 3-B, 4-C**

**1-D, 2-B, 3-C, 4-A**

**1-D, 2-C, 3-B, 4-A**

**226. the standard output of one program can be redirected as standard input to another program using \_\_\_\_\_**

**Ans-**

**|**

**||**

**>**

**<**

**237. \_\_\_\_\_ is an unparsed character data that can't be parsed by the parser. Ans- CDATA**

**211. A system administrator needs to identify different types of files in the UNIX system. Help by matching the correct symbols used to identify the file type**

**1. - 2. | 3.b 4.c**

**With**

**a. Regular file b. Link file c. Block device file d. Character device file**

**Ans**

**1-A, 2-B, 3-C, 4-D**

**1-D, 2-A, 3-B, 4-C**

**1-D, 2-B, 3-C, 4-A**

**1-D, 2-C, 3-B, 4-A**

## **ALGO/DATA\_STRUCTURE**

**25. Carefully read the question and answer accordingly. To execute the result of the last executed procedure, call recursive procedures use stacks. State true or false**

**Ans**

**True**

**False**

**42. Carefully read the question and answer accordingly. In Linear search algorithm, if an item to be**

**searched is found in the middle of an array then it is said to be \_\_\_\_\_**

**Ans**

Best case

Worst case

**Average case**

Null case

**51. Which of the following algorithm(s) is/are said to be non-adaptive?**

**Ans**

Selection sort

**Merge sort**

Bubble sort

Insertion sort

**52. Which of the following is more efficient in terms of memory utilization and execution**

**speed? Ans**

Recursion

**Iteration**

Sequential

Conditional

**58. Carefully read the question and answer accordingly. In an array, if an item to be searched is found in the last element of the array or not found in the array then it is said to be \_\_\_\_\_**

**Ans**

Best case

**Worst case**

Average case

Null case

**67. When constructing looping statements, if the iteration condition is not terminated, it will result in infinite loop. State True or false**

**Ans**

**True**

**False**

**11. Consider the following array (12,3,1,5,8) Tell us the number of steps that are required to sort the elements int the ascending order using insertion sort**

**Ans – 3**

**13. Arrow symbols in the flowchart is used to show the sequence of steps and the relationship among them. State true or false**

**Ans**

**True**

**False**

**27. Predict the output**

**Step 1: start the program**

**Step 2: Declare a variable count and set the count as 1**

**Step 3: Print the count**

**Step 4: Increment the count by 1**

**Step 5: Check whether count is greater than or equal to1. If yes go to step 3. If no go to step**

**6 Step 6: Print the count**

**Step 7: Stop**

**Ans**

**1 1**

**1 2**

**2 1**

**Loop runs indefinitely**

**71. Bonus calculated module was unit tested by the developer. Depending on the salary the bonus needs to be calculated. Assume if one of the salary-range is between 30000 to 40000 then**

**the bonus should be 10%. From the given options identify the test cases for Equivalence Partitioning.**

**Ans**

**25000,35000,45000**

25000,27000,29000

42000,43000,45000

32000,35000,39000

**89. Carefully read the question and answer accordingly**

**Analysis of selection algorithm eliminates \_\_\_ number of elements each time**

**Ans**

**n elements**

n/2 elements

n/4 elements

(n/2) +n elements

**101. O(nlogn) is the best-case time complexity of Bubble Sort. State True or**

**False**

**Ans**

True

**False**

**110. What string datatype can be used for string that does not contain line feeds, carriage returns or tabs**

**Ans**

**xs: string**

xs: name

xs: nospace

normalisedString

**123. Carefully read the question and answer accordingly. A simple algorithm may have high complexity, whereas a complex algorithm may have lower complexity in the sense of time needed for the computations. State true or false**

**Ans**

**True**

**False**

**133. Carefully read the question and answer accordingly. In an array, if an item to be searched is found in the middle of an array then it is said to be \_\_\_\_\_**

**Ans**

**Best case**

**Worst case**

**Average case**

**Null case**

**178. Given the following declaration which expression returns the size of the array, assuming the array has been initialized?**

**Int[] array;**

**Ans**

**Array[].length();**

**Array.length();**

**Array.length;**

**Array[].size();**

**200. Consider the given array:**

**E A F B D C**

**E A F B D C**

**A E F B D C**

**A E B F D C**

**A E B D F C**

**A E B D C F.... so on**

**After all consecutive iterations, the array is sorted**

**Which sorting technique compares the adjacent data elements and swaps each pair of elements? Ans**

Quick sort

**Bubble sort**

Merge sort

Heap sort

**201. Difficult Unit test performed on the post office savings schemes module. Assume that the minimum deposit amount is Rs. 1000 and the maximum deposit amount is Rs. 10000. Based on the Boundary Value Analysis choose the correct test cases to perform this unit test.**

**Ans**

**999,1000,10000,10001**

800,6000,15000

999,1001,5000,9999,10001

1000,5000,10000

**202. John is a poker card player in a casino. The way he arranges his cards as he picks them up one by one is a real time example of which sorting technique?**

**Ans**

Bubble sort

Merge sort

**Insertion sort**

Selection sort

**203. In many situations, it would be necessary to make a decision before arriving at a conclusion or to go on to the next step of processing. Which of the following suits the given description?**

**Ans**

**Conditional statement**

All of the options

Iterative statement

Sequential statement

**204. which of the following program has the lowest run-time complexity? Ans**

Tower of Hanoi

Sum of n Digits

**Find even or odd**

Fibonacci series

**205. Manual execution of steps in an algorithm is called as \_\_\_\_\_.**

**Ans**

Dry run

Flowchart

Quick run

Pseudocode

**207. Dave has to store data in a nonlinear data type to represent hierarchical relationship between elements. Which data structure should he use for it?**

**Ans**

Linked List

Stack

Queue

**Tree**

**208. The names in a telephone directory were not in order. It took a long time to look for the telephone number of a particular person. Which algorithm would be the best to resolve this issue.**

**Ans**

Binary Search

Linear Search

**Deletion Algorithm**

**Sorting Algorithm**

**209.** Roshan is a beginner in the learning path of Data Structure. Assume a singly linked list of length  $n$  is given. In a worst-case scenario, he wants to find out the maximum number of computations required to search for a given element. Help Roshan to find out the best option

**Ans**

Log 2  $n$

**N**

Log  $2n+1$

Log  $2n-1$

**223.** predict the output for the given pseudocode snippet

**SET count = 1**

**WHILE count less than or equal to 5**

Print "Hello world"

**Count = count+1**

**END WHILE**

**Ans**

Prints "Hello world" 5 times

Prints "Hello world" 6 times

Loop goes on infinitely

Prints "Hello world" 4 times

**78. If an element is to be retrieved from a specific location in an array, the array has to be**

**\_\_\_\_\_ Ans**

**Traversed from the first position until the element is found**

Added in ascending order and compared with each element

Traversed from the last position to first until the element is found

Sorted in descending order and compared with each element.

## JAVA/OOP\_Concepts/State\_diagrams

**10. Which of the following is not a part of SRS document**

**Ans –**

Functional Requirement

Non-Functional Requirements

**Implementation Details**

Hardware Software specifications

**17. What is an identity of an object?**

**Ans-**

**Is the property that uniquely differentiates the object from other objects**

Is the id given to the object by the class

Is the state of an object

Is the behavior of the object

**24. Two modules with more dependency is known as loosely coupled modules and two modules with less dependency is known as uncoupled modules state true or false**

**Ans**

True

**False**

**30. Consider the scenario. For an insurance, customer makes a claim. The claim can be a normal or a critical claim. The insurance company confirms the claim. What diagram can be used to understand the state changes of the component triggered by events and dynamic nature?**

**Ans**

Sate chart diagram

Sequence diagram

**Activity diagram**

Interaction diagram

**33. Information hiding is achieved through which OOP principle?**

**Ans**

Abstraction

**Encapsulation**

Typing

Hierarchy

**34. From the following options choose all the possible Exceptions for the above code**

Try{

```
Int check = Integer.parseInt("Five");
}
```

**Ans-(class cast, number format)**

ClassCastException

IllegalStateException

**NumberFormatException**

**IllegalArgumentException**

ExceptionInInitializerError

**38. What is true regarding State Chart Diagram?**

**Ans**

**Depicts different states of an object during lifetime**

Flow of activity

Chart diagram of objects

Static view of objects

**56. java.util.List allows you to grow or shrink its size and provides indexed access to its elements, but whose methods are not synchronized. State True or False**

**Ans**

**True**

False

**59. What does public String pattern() return?**

**Ans**

**Returns the compiled version of boolean after matching the regular expression against the given Returns the compiled version of regular expression into a Pattern**

Returns the pattern's source regular expression

Returns the compiled version of string into the pattern

**69. Select the statements that are true about Persistence**

**Ans**

**Persistence is a way through which the life time of object exists even after the program**

**terminates Java uses serialization for object persistence**

Persistence is a way through which the life time of object is terminated as the program

**terminates Persistence of object is done by java runtime automatically**

**73. Choose the statement that true about Class?**

**Ans**

Class is a dynamic component

**Class is described using attributes and methods**

Change the class to change the state of an object

Class properties depends on object properties

**75. Given**

**Public abstract Interface1 {public void method(String s);}**

**Which of the following is/are correct class**

**implementation(s) Ans**

Public abstract class Class1 implements Interface{

    Public abstract void method(String s){}

}

**Public abstract class Class1 implements Interface1{}**

Public class Class1 extends Interface1{

```
Public void method(Integer i) {}
}

Public class Class1 implements Interface1{
 Public void method(Integer i) {}
}
```

```
Public class Classs1 implements Interface1{
 Public void method(String i) {}
 Public void method(Integer s) {}
}
```

**77. What is the relationship between these two Building has rooms**

**Ans**

**Composition**

Aggregation

Generalization

Hierarchy

**81. What is the lifeline in a sequence diagram?**

**Ans**

**Object's life time**

Actor's life time

System's life time

Modelling life time

**82. What are the best ways to ensure that a class implements the required behavior? Ans**

**Use Interface**

Method inside interface are public and abstract  
Have a strict testing

Use encapsulation

**85. What are the types of Interaction Diagrams?**

**Ans**

**Sequence diagram**

**Collaboration diagram**

Activity diagram

State chart diagram

**86. A Team is allocated with a new project. All their work needs to be accessed and updated in the same repository. Which of the given options would help them achieve this?**

**Ans**

**Software configuration management**

Creating a common folder in the server

Creating a common folder local

Using IDE

**100. What are the best ways to ensure that a class implements the required behavior? Ans**

**User interface**

Method inside interface are public and abstract

Have a strict testing

Use encapsulation

**136. Select the abilities given by Polymorphism to the programming language Ans**

**Static polymorphism is achieved by varying the input parameters**

**Parent class methods can be overridden by the child class**

Static class is given as-a part of relationship

Gives a stronger form of aggregation and composition

**163. Which of the following is TRUE about the final keyword?**

**1. Final variables cannot be modified once initialized**

**2. Final methods can be overridden**

**3. Final classes cannot be inherited**

**Ans**

Only 1

Both 1 and 2

Only 2

**Both 1 and 3**

**164. Which of the following statements is/are FALSE?**

**a. JVM is platform dependent**

**b. Byte code is platform dependent**

**Ans**

Only a is false

Both a and b are false

**Only b is false**

Both a and b are true

**177. Which of the following statement/s is/are TRUE?**

**1. Abstract method can have body**

**2. Abstract class cannot be instantiated**

### **3. Abstract class can have constructor**

**Ans**

Both 1 and 2 are true

**Both 2 and 3 are true**

Both 1 and 3 are true

Only 2 is true

**How many String objects are created in the above code?**

**Ans**

2

**3**

1

4

**197. Kevin is a java programmer. He writes a Java code and compiles his code. What type of file Kevin will get as a result of compiling his Java code?**

**Ans**

Java file

.exe file

**.class file**

Obj file

**210. A Professor class uses the Scheduler class to display the scheduled classes of the professor for a week. What will be the relationship between the Professor and the Schedule class?**

**Ans**

Inheritance

Aggregation

Composition

**Dependency**

**213.** Zara marketing company wants to keep track of the attendance of its employees in all of their branches so that the salary calculation can be done from the Central office located at Bangalore. The head office has delegated the work to the branch offices so that they can keep track of the attendance in any manner, be it manual or biometric or swipe cards etc.

For the above scenario, identify the correct statements from the given options. Ans

**Head office is an abstract class**

Branch office is an abstract class

Head office is a concrete class

**Branch office is a concrete class**

Both head office and branch office are abstract classes

**214.** Which of the following statements are true in regard to the object-oriented programming technique?

- 1. object is a blueprint or template for a class**
- 2. class is a blueprint or template for an object**
- 3. object is an instance of a class**
- 4. class is an instance of an object**

Ans

1 2 only

1 4 only

**2 3 only**

3 4 only

**215.** Assume a class Student with the attributes id, name, grade and collegeName. The value for collegeName is “Trindy” which is same for all the objects of the Student class. What type of variable is collegeName?

Ans

**Static variable**

Instance variable possessed by each object

Local variable for the class

Public variable

**228. Which of the following**

- a. int number();
- b. float average
- c. double[] marks;
- d. counter int[];

**Ans**

**243. which OOP principle is the ranking or ordering of abstraction**

**Ans- hierarchy**

**217. What does an action flow represents in an Activity Diagram?**

**Ans-**

**Transition from one action state to another**

Passing of data from activity to another

Trigger events

Flow of priority flows

# **SOFTWARE Engg REQUIREMENTS/TESTING/COHESION**

**12. Choose the appropriate option where prototype model is used**

**Ans –**

For projects where requirements are clear

**For projects where requirements are unclear**

Projects where lot of risk factors needs to be considered

Projects with frequent changes

**32. A team of employees is trying to analyze the root cause of the issues identified for the online Library Management. From the options identify the process that is carried out.**

**Ans**

Coding

Testing

Analysis

**Debugging**

**43. Which of the given phases consume more time during the Software life cycle Ans**

Analysis

**Design**

Testing

Maintenance

**44. If you are asked to do a modular software design, which combination of coupling and cohesion should you use for designing the software?**

**Ans**

High cohesion and high coupling

**High cohesion and low coupling**

Low cohesion and high coupling

Low cohesion and low coupling

**57. State true or false**

**White box testers require the working knowledge of the code being tested**

**Ans**

**True**

**False**

**62. For developing a water plant application the following statements are captured in the SRS**

**i) if the water level goes below 20%, then the application should raise an alarm for immediate action**

**ii) if the water level goes below 15%, then the application should automatically switch on the power button to fill in water in the tank**

**Identify the issue with the requirement specified in the SRS**

**Ans**

**Contradicting requirements**

No issues with the requirements

Incomplete requirements

Unreliable requirement

**80. In which of the given SDLC models' rapid changes are easily**

**incorporated**

**Ans**

V-model

**Agile model**

Prototyping model

Waterfall model

**91. Software which controls radiation equipment for patients is best shut down, if it receives bad input for a radiation dosage. This is a best example for \_\_\_\_\_**

**Ans**

Correctness

**Robustness**

Verification

Validation

**95. Which concept ensures every change that is made to the artifact can be properly tracked and changed?**

**Ans**

**Version control**

Resource planning

Testing

Review of artifacts

**103. Which of the given options perform requirement specification- based**

**testing Ans**

White box testing

**Black box testing**

Integration testing

Glass box testing

**114. Which of the given options define a set of activities that transform the client needs to an effective software solution**

**Ans-**

Software planning

Software cost estimation

**Software development process**

Software resource planning

**115. order the types of cohesion from the worst cohesion to the best**

**cohesion a. functional cohesion**

**b. co-incidental cohesion**

- c. communicational cohesion
- d. temporal cohesion
- e. procedural cohesion
- f. logical cohesion
- g. sequential cohesion

**Ans- b-f-d-e-c-g-a**

**116.** After the development of the online website for banking, the testers found that the application was not user friendly to differently abled people. Identify in which level of testing, the testers would have identified this issue

**Ans**

Unit testing

Integration testing

**System testing**

Acceptance testing

**137.** Sam and Rose are working on the Lone Monitoring project. The head version was checked out by both Sam and Rose, both of them made their changes in the local machine. Both of them made the required changes and updated the same to the server. From the given options identify the correct option

**Ans**

Both their changes get committed to the server

First person change gets committed while for the second one the server notices life

differences Both the project gets rolled back

**198.** Ram is a Developer; he receives a defect list from the testing team for the code which he developed. He fixes the defects and assigns it back to the test manager/tester. What should be the status of the defect now?

**Ans**

Open

**Fixed**

Closed

New

**199. Software Configuration Management, \_\_\_\_\_ concept is used to control the changes Ans**

**Baseline**

Process

Procedure

Audit

**206. In case of Banking application, customers are the only stakeholders State true or false Ans-0**

**235. Which of the following is used to reference data that can act as an abbreviation or can be found at an external location?**

**Ans- ENTITY**

## Question # 1

Revisit

Choose the best option

To increase the operational efficiency of their data and applications, an organisation is considering a cloud environment. The company is part of an industry that places high importance on strict security and data privacy issues. What kind of cloud is a good choice?

- Private cloud
- Public cloud
- Hybrid cloud
- Governed cloud

1

Monitored Session



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2

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100

/ 100

**Question # 2** Revised

Choose the best option.

Identify the missing word in the following sentence. The purpose of the information security management practice is to [?] the organization's information

 protect store Audit provide

Sayantani Sarkar | Support  +1-800-265-6038  +91-08047189190 



Section 1 of 1 Section #1

6

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Question # 6

Revisit

Choose the best option

Denial of Service attacks do not access user data, but it will disable services, system or entire infrastructures.

 true false

**Question # 5****Choose the best answer:**

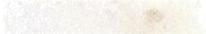
- Task Manager -> Performance
- Task manager -> system
- Resource Monitor
- Event viewer

✓  
✓

Section 1 of 1 Section 41



8 / 100 0% 0:00:20



Question # 4

Revisit

Choose the best option

Which protocol method is used to connect virtual private network?

 SFTP HTTP SSHP PPTP

## Question # 3

 Revisit

Choose the best option

- Which is part of service provision?
- The management of resources configured to deliver the service.
  - The management of resources needed to consume the service.
  - The grouping of one or more services based on one or more providers.
  - The joint activities performed to ensure continuous value creation.



Section 1 of 1 Section #1

## Question # 7

Revisit

Choose the best option

- Storage spaces
- iSCSI target
- iSCSI server
- Disk redundant

Section 1 of 1 Section #1

1

of 1

Question 1 of 1 / 1 Question 1 of 1 / 1

## Question # 8

Revisit

Choose the best option

What does the "\*" character in the following nfs share statement refers?

```
sharedir *(rw)
```

- All files and sub-directories
- All hosts in any network
- Permissions allowed for everyone
- Only localhost allowed



Revisit

Choose the best option

- If the package does not exists, it will install the package.
- If the package does not exist, it will uninstall the package from the OS.
- If the package exist, it will uninstall the package from the OS.
- if the package is already installed, it uninstalls the package from the OS.

All administrator types the following command on an RPM-based Linux distribution.

```
rpm -vh zip-3.0-11.el7.x86_64.rpm
```

What is the effect of this command?

Question # 10

Revisit

\_\_\_\_\_ is a command that is commonly used to identify the IP information of a computer on a network.

Choose the best option:

- Ping
- Ipconfig
- Netsh
- Traceroute



## Question # 14

 Revisit

Choose the best option

When a company stores all of its data in an S3 bucket, it costs a lot of money. What is the most cost-effective way to lower the charges?

 S3 lifecycle EFS storage EBS volume NFS Share

## Question # 13

 Revisit

Choose the best option

- Authentication
- Identification
- Authorization
- Indemnification



## Question # 12

 Revisit

Choose the best option

- Diffo-Hellman
- RSA
- DES
- AES

✓

Section 1 of 1 Section #1 - 10

11

2/2

Time Left: 00:00:00

## Question # 11

Revisit

Choose the best option.

In order to decide whether to forward a packet through, which system monitors the state of active connections?

 Firewall Switch Hub Modem

Question # 16

Revised

In cloud computing, which term describes the nature of IT infrastructure and makes it possible to dynamically scale according to resource requirements?

Choose the best option

- Elasticity
- Virtualization
- Clustering
- Consolidation

Elasticity

**Question # 17**[Revisit](#)

An organization needs to host its application in cloud, with high availability and fault tolerance. Which of the following would help the organization to meet the requirements?

**Choose the best option:**

- Region
- Geographies
- Availability Zone
- Availability Sets



Section 1 of 1 Section #1

Revisit

Choose the best option

- Complex
- Single-Valued
- Simple
- Derived

Question # 18

An attribute with single atomic value is named as \_\_\_\_\_ attribute



## Question #15.

Revisit

Choose the best option:

- VPC
- Security Group
- Subnet
- Gateway



## Question # 12

Revisit

Choose the best option

- Diffo-Hellman
- RSA
- DES
- AES

✓

Section 1 of 1 Section #1

11

2/2

Time Left: 00:00:00

## Question # 11

Revisit

Choose the best option.

In order to decide whether to forward a packet through, which system monitors the state of active connections?

 Firewall Switch Hub Modem

Firewall

*Choose the best option*

The management of resources configured to deliver the service

The management of resources needed to consume the service

The grouping of one or more services based on one or more products

The activities performed to ensure continual value co-creation

Choose the best option

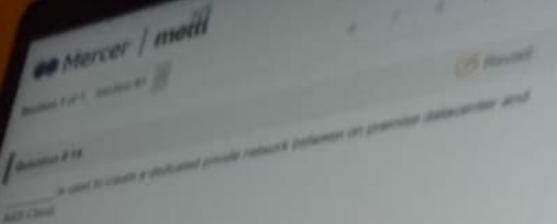
Disk Partition

Disk Party

Disk Redundancy

MBR Disk





- Channel that been used to connect:
- VPN
  - VPC
  - Direct Connect
  - VPC



direct  
connect

Section #1 of 1 Section #1 of 1

Revisit

**Choose the best option**

- Question #16**
- In cloud computing, which term describes the nature of IT infrastructure and makes it possible to dynamically scale according to resource requirements?

- Elasticity
- Virtualization
- Clustering
- Consolidation



Revisit

Choose the best option

- To test a device on the network is reachable
- For debugging
- To test a hard disk fault
- To test a Printer access



Section 1 of 1 - Section #1 -

Revisit

Choose the best option

- Security
- Confidentiality
- Integrity
- Non-repudiation

Question # 12

The concept of \_\_\_\_\_ in information security pertains to the protection of information and prevention of unauthorized access or disclosure.

Question 8 of 11

Revised

It is a web traffic load balancer that enables you to manage traffic to your web

Choose the best option

- Azure Application Gateway
- VPN Gateway
- Azure Load balancer
- Scheduled instance



Section 1 of 1 Section #1

1 2 3 4 5 6 7 8 9 10 &lt; 7 of 20 &gt;

All

**Question # 7** Revisit**Choose the best option**

- Disk Partition
- Disk Parity
- Disk Redundancy
- MBR Disk



Section 1 of 1 Section #1

1 2 3 4 5 6 7 8 9 10 &lt; 6 of 20 &gt;

All

 Revisit

Choose the best option

- .admx
- .adm
- .amdx
- .amd

Question # 6

Which group policy template file is a legacy extension in windows server operating system



**Question # 5** Revisit

I am using windows 10 professional operating system in my laptop. When I launch multiple virtual machines, my system performance is little bit slow. I want to check how much memory is consumed and where I will check?(Select Multiple Answers)

**Choose the best option(s)**

- Task Mager -> Performance
- Task manager-> system
- Resource Monitor
- Event viewer



Where can you find the events that are related to security such as logon/logoff and accessing resources?



Choose the best option

- Application Log
- Security Log
- System Log
- computer log

Section 9 of 1 Section 4 of 5

11 12 13 14 15 16 17 18 19 20 &lt; 17 of 20 &gt;

@ All

20

Question #17

Revisit

Choose the best option

- Azure Application Gateway
- VPN Gateway
- Azure Load balancer
- Scheduled instance

[Clear Response](#)