

Topics for L1

JDBC

Developer Tools

BDD

Servlets

JSP

JPA with Hibernate

Spring

Core Java

QPA

Intro to SE

Oracle

Web Basics

L1 JEE FS Mod 1 Practice Test

Q1

Which method puts the current thread on wait until the thread on which it's called is dead?

Single Choice - Select one correct answer from the options list.

sleep()

join()

start()

stop()

Ans: join()

Q2

Given:

1. class Crivitch {
2. public static void main(String [] args) {
3. int x = 0;
4. // insert code here
5. do { } while (x++ < y);

6. `System.out.println(x);`

7. `}`

8. `}`

Which statement, inserted at line 4, produces the output 12?

Single Choice - Select one correct answer from the options list.

`int y = 10;`

`int y = 11;`

`int y = 12;`

`int y = 13;`

Ans: `int y = 11;`

Q3

Given:

```
class Mixer {  
    Mixer() { }  
    Mixer(Mixer m) { m1 = m; }  
    Mixer m1;  
    public static void main(String[] args) {  
        Mixer m2 = new Mixer();  
        Mixer m3 = new Mixer(m2); m3.go();  
        Mixer m4 = m3.m1; m4.go();  
        Mixer m5 = m2.m1; m5.go();  
    }  
    void go() { System.out.print("hi "); }  
}
```

What is the result?

Single Choice - Select one correct answer from the options list.

hi hi

hi hi hi

Compilation fails

hi hi, followed by an exception

Ans: hi hi, followed by an exception

Q4

The Junit framework automatically invokes the _____
annotated method
after each test is run.

Single Choice - Select one correct answer from the options list.

@assertEquals

@tearDown

@After

@Before

Ans:@After

Q5

Consider the following code which is used to print a list of integers stored in "numbers" list.

```
numbers.forEach((Integer value) -> System.out.println(value));
```

Which one of the following built-in interface referenced by above lambda expression?

Single Choice - Select one correct answer from the options list.

Function<Integer>

Consumer<Integer>

Supplier<Integer>

Predicate<Integer>

Ans: Consumer<Integer>

Q6

Given:

```
class CardBoard {  
    Short story = 5;  
    CardBoard go(CardBoard cb) {  
        cb = null;  
        return cb;  
    }  
    public static void main(String[] args) {  
        CardBoard c1 = new CardBoard();  
        CardBoard c2 = new CardBoard();  
        CardBoard c3 = c1.go(c2);  
        c1 = null;  
        // do Stuff  
    }  
}
```

When // doStuff is reached, how many CardBoard objects are eligible for GC?

Single Choice - Select one correct answer from the options list.

0

1

2

None of the above

Ans: 1

Q7

"Books has pages" is an example of _____.

Single Choice - Select one correct answer from the options list.

Generalization

composition

aggregation

None of the above

Ans: composition

Q8

What will be the output of the following code snippet?

```
String str = new String("PACE");
```

```
String str1 = str;
```

```
str=null;
```

```
System.out.println("Length of the string is :" + str1.length());
```

Single Choice - Select one correct answer from the options list.

4

3

0

It will generate NullPointerException ans: 4

Q9

Given:

```
3. public class Dec26 {
```

```
4. public static void main(String[] args) {  
5.     short a1 = 6;  
6.     new Dec26().go(a1);  
7.     new Dec26().go(new Integer(7));  
8. }  
9. void go(Short x) { System.out.print("S "); }  
10. void go(Long x) { System.out.print("L "); }  
11. void go(int x) { System.out.print("i "); }  
12. void go(Number n) { System.out.print("N "); }  
13. }
```

What is the Result?

Single Choice - Select one correct answer from the options list.

int Long

int Number

Short Long

Short Number

Exception

Ans: int Number

Q10

```
public class MethodOverriding
{
    private void add(int operand1, int operand2)
    {
        System.out.println(operand1 + operand2);
    }
}

public class Overridden extends MethodOverriding
{
    public void show()
    {
        add(10, 12);
    }

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

```
    Overridden ob = new Overridden();  
    ob.show();  
}  
}
```

What will be the output of above code when compiled and executed?

Single Choice - Select one correct answer from the options list.

Compile time error

Runtime error as add method is not defined in MethodOverriding class

Will compile and display 32

Will compile and display 1012

Ans: Compile time error

Q11

What will be the output of the following code :

```
class Base
{
    public void amethod()throws FileNotFoundException{}
}

public class ExcepDemo extends Base
{
    public static void main(String argv[])
    {
        ExcepDemo e = new ExcepDemo();
    }

    public void amethod(){}

    protected ExcepDemo()
    {
        try
        {
            DataInputStream din = new
                DataInputStream(System.in);

            System.out.println("Pausing");

            din.readByte();
```

```
        System.out.println("Continuing");  
        this.amethod();  
    }  
    catch(IOException ioe) {}  
}  
}
```

Single Choice - Select one correct answer from the options list.

Compile time error caused by protected constructor

Compile and run with output of "Pausing" and "Continuing" after a key is hit

Compile time error caused by amethod not declaring Exception

Runtime error caused by amethod not declaring Exception

Ans: Compile and run with output of "Pausing" and "Continuing" after a key is hit

Q12

Given:

1. interface Syrupable {
2. void getSugary();
3. }
4. abstract class Pancake implements Syrupable { }
- 5.
6. class BlueBerryPancake implements Pancake {
7. public void getSugary() { ; }
8. }
9. class SourdoughBlueBerryPancake extends BlueBerryPancake {
10. void getSugary(int s) { ; }
11. }

Which are true? (Choose all that apply.)

Single Choice - Select one correct answer from the options list.

compilation succeeds

Compilation fails at line 4

compilation fails at line 6

compilation fails at line 10

Ans: compilation fails at line 6

Q13

A setUp() and tearDown() code can be run once for all of the tests by:

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

Adding a @BeforeClass annotation to a method to be run before all tests in a class

Adding a @AfterClass annotation to a method to be run after all tests in a class

This can not be done

setUp() and tearDown() will be called only once for all the tests

Ans: Adding a @BeforeClass annotation to a method to be run before all tests in a class

& Adding a @AfterClass annotation to a method to be run after all tests in a class

Q14

What will be the output of the following program?

```
import java.util.TreeSet;

public class Employee {

    private int empno;

    private String name;

    public static void main(String args[]) {

        TreeSet empset = new TreeSet();

        empset.add(new Employee());

        empset.add(new Employee());

        System.out.println("Size: " + empset.size());

    }

}
```

Single Choice - Select one correct answer from the options list.

Compilation Error

Runtime Exception

Size: 1

Size: 2

Ans: Runtime Exception

Q15

If Single files are to be read one after the other simultaneously, the appropriate class to be used is:

Single Choice - Select one correct answer from the options list.

SequenceInputStream

RandomAccessFile

FileReader

FileInputStream

DataInputStream

Ans:SequenceInputStream

Q16

Which of the below Classed willnot compile

class c1 { }

2. class c2 { }

3. interface i1 { }

4. interface i2 { }

5. class A extends c2 implements i1 { }

6. class B implements i1 implements i2 { }

7. class C implements c1 { }

8. class D extends c1, implements i2 { }

9. class E extends i1, i2 { }

10. class F implements i1, i2 { }

Single Choice - Select one correct answer from the options list.

B C and D class

B C D and E class

Only B class

only B and D

Ans: B C and D class

Q17

"Library contains books" is an example of _____.

Single Choice - Select one correct answer from the options list.

Generalization

composition

aggregation

None of the above

Ans: aggregation

Q18

```
Integer i = new Integer(10);
```

```
int i2 = 10;
```

```
System.out.println( i == i2 );
```

What will be the output of the above code fragment?

Single Choice - Select one correct answer from the options list.

Will print true

Compilation Error

CastException

Runtime Exception

Will print false

Ans: Will print true

Q19

```
import java.util.*;

public class App {

    public static void main(String[] args) {

        List p = new ArrayList();

        p.add(7);

        p.add(1);

        p.add(5);

        p.add(1);

        p.remove(1);

        System.out.println(p);

    } }
```

What is the result?

Single Choice - Select one correct answer from the options list.

[7,1,5,1]

[7,5,1]

[7,5]

[1,5,1]

Ans: [7,5,1]

Q20

class MyThread implements Runnable

{

 public static void main(String args[])

 {

 /* Missing code? */

 }

 public void run() {}

}

Which of the following line of code is suitable to start a thread ?

Single Choice - Select one correct answer from the options list.

```
Thread thread = new Thread(MyThread);  
Thread t = new Thread(MyThread);  
t.start();  
MyThread run = new MyThread(); Thread t = new Thread(run); t.start();  
Thread thread = new Thread();  
thread.run();
```

Ans: MyThread run = new MyThread(); Thread t = new Thread(run);
t.start();

Q21

What will be the output of the following code fragment?

```
HashMap map = new HashMap();  
map.put("obj1", null);  
map.put("obj2", null);
```



```
map.put(null, null);
```

```
map.put("obj3", "obj3");
```

```
System.out.println(map.size());
```

Single Choice - Select one correct answer from the options list.

3

1

4

2

Ans: 4

Q22

Given:

```
class Alpha{
```

```
    Alpha doStuff(char c){
```

```
    return new Alpha();  
}  
}
```

```
class Beta extends Alpha{  
    Beta doStuff(char c){  
        return new Beta();  
    }  
}
```

Is it a valid overriding?

Single Choice - Select one correct answer from the options list.

True

False

Ans:True

Q23

Assuming a method contains code which may raise an Exception (but not a RuntimeException),

What is the correct way for a method to indicate that it expects the caller to handle that exception:

Single Choice - Select one correct answer from the options list.

throw Exception

throws Exception

new Exception

No need to specify anything

Ans:throws Exception

Q24

What Happens If a JUnit Test Method Is Declared as "private"?

Single Choice - Select one correct answer from the options list.

Compilation Error

No Error during compilation

Run Time Error

None of the above

Ans:Run Time Error

Q25

Consider Question and answer are modelled as classes. A single Question may have Single answers.

How do you define this relationship ?

Single Choice - Select one correct answer from the options list.

Aggregation

Composition

Both the above

None of the above

Ans:Composition

Q26

What will be the output of the following code fragment?

```
Vector v1 = new Vector(7, 3);  
for(int num = 1;num<=15;num++)  
    v1.add(num);  
System.out.println(v1.capacity());
```

Single Choice - Select one correct answer from the options list.

21

15

18

16

Ans: 16

Q27

What is the result of trying to compile and run the following program?

```
class Phone implements Cloneable{  
public static void main(String[] args) {  
    Phone p= new Phone();  
    if (p instanceof Object)  
        System.out.println("Object");  
    if (p instanceof Cloneable)  
        System.out.println("Cloneable");  
}  
}
```

Single Choice - Select one correct answer from the options list.

The program does not compile

The program compiles and runs and writes Object to the standard output

The program compiles and runs and writes both Object and Cloneable to the standard output.

The program compiles and runs and writes Cloneable to the standard output.

Ans: The program compiles and runs and writes both Object and Cloneable to the standard output.

Q28

Which statements create an ArrayList of Strings with an initial capacity of 20?

(Choose all that apply)

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

```
ArrayList<String> names = new ArrayList<>( );
```

```
ArrayList<String> names = new ArrayList<>(20);
```

```
ArrayList<String> names = new ArrayList<String>( );
```

```
ArrayList<String> names = new ArrayList<String>(20);
```

```
Ans:ArrayList<String> names = new ArrayList<>(20);
```

```
    ArrayList<String> names = new ArrayList<String>(20);
```

Q29

Given:

```
public interface SuperInterface {.....}
```

```
public interface SubInterface extends SuperInterface {.....}
```

```
public class MyClass implements SuperInterface {.....}
```

```
MyClass obj = new MyClass();
```


With how many types, reference obj is compatible with including the default type "Object"?

Single Choice - Select one correct answer from the options list.

0

1

2

3

Ans: 3

Q30

@FunctionalInterface

```
public interface MyInterface {
```

```
    void checkName();
```

```
    void checkSalary();
```

```
}
```

Smith has created the above interface, but he is getting some compilation error.

Which of the following options can be used to correct the error?

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

1)Functional Interface should not contain more than one method so one method should be remove

to resolve compilation error

2)Functional Interface should not contain more than one method so if Smith does not want to use this interface

for Lambda Expression then FunctionalInterface annotation should be removed to resolve the compilation error

Functional Interface should not contain method with void return type so method type should be changed

to resolve the compilation error

Functional Interface must contain a default static method so default static method should be included
to resolve the compilation error

Ans: option 1 & 2

Q31

What is the output of the following program?

```
class A {  
    private void print() {  
        System.out.println("Inside A's print method.");  
    }  
    public void test() {  
        this.print();  
    }  
}
```

```
}  
  
class B extends A {  
    private void print() {  
        System.out.println("Inside B's print method.");  
    }  
  
    public static void main(String args[]) {  
        A a = new B();  
        a.test();  
    }  
}
```

Single Choice - Select one correct answer from the options list.

Inside A's print method.

Inside B's print method.

Inside A's print method.

Inside B's print method.

Compilation error

Ans: Inside A's print method.

Q32

Consider the below code of an anonymous class:

```
Comparator<Integer> intComparator = new Comparator<Integer>() {  
    @Override  
    public int compare(Integer o1, Integer o2) {  
        return o1.compareTo(o2);  
    }  
};
```

Which of the following are valid lambda expressions to replace this anonymous class?

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

- 1.(o1,o2) -> o1.compareTo(o2)
- 2.(o1,o2)->return o1.compareTo(o2)
- 3.(Integer o1, Integer o2)->o1.compareTo(o2)

4.(int o1, int o2)->o1.compareTo(o2)

Ans: 1 & 3

Q33

Given:

```
class A {.....}
```

```
class B extends A {.....}
```

```
class C extends A {.....}
```

What will be the output of the following code fragment'?

```
A a1 = new B();//Line 1
```

```
A a2 = new C();//Line 2
```

```
B b1 = (B)a1;// Line 3
```

```
B b2 = (B)a2;//Line 4
```

Single Choice - Select one correct answer from the options list.

Compile Time Error at Line 1

Compile Time Error at Line 3

Runtime Exception at Line 3

Runtime Exception at Line 4

Ans: Runtime Exception at Line 4

Q34

In Java, what happens if you try to compile code that looks like this:

```
class MyString extends String {  
}
```

Single Choice - Select one correct answer from the options list.

The code compiles successfully.

The code does not compile because you have not defined a main() method.

The code does not compile because the String class is abstract.

The code does not compile because the String class is final.

Ans: The code does not compile because the String class is final.

Q35

Choose the correct lambda code to check the given value is divisible by 5.

Single Choice - Select one correct answer from the options list.

```
Predicate<Integer> divisble=(number)->number / 5 == 0;
```

```
System.out.println(divisble.test(11));
```

```
Predicate<int> divisble=(number)->number / 5 == 0;
```

```
System.out.println(divisble.test(11));
```

```
Predicate<Integer> divisble=(number)->number % 5 == 0;
```



```
System.out.println(divisible.test(11));
```

```
Predicate<int> divisible=(number)->number % 5 == 0;
```

```
System.out.println(divisible.test(11));
```

```
Ans: Predicate<Integer> divisible=(number)->number % 5 == 0;
```

```
System.out.println(divisible.test(11));
```

Q36

Suppose you want to test object response for not null.

Which of the following code would you use in a test to verify that an object is not null?

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

1.assertNotNull("Response is null", response)

2.assertNotNull(response)

```
3.if(response == null) {throw newExcpetion("The response is null");}  
4.assertNull("Response is null", response)
```

Ans: 1,2

Q37

Select the false statement about Lambda Expressions:

Single Choice - Select one correct answer from the options list.

Increases the Lines of code

Provides sequential and parallel execution support

Allows to pass behaviors into methods

Higher efficiency with laziness

Ans: Increases the Lines of code

Q38

```
class ArrayTest {  
    public static void main(String args[]) {  
        int arr[] = new int[2];  
        System.out.println(arr[0]);  
    }  
}
```

What will be the result of compiling and executing the above code?

Single Choice - Select one correct answer from the options list.

The program does not compile because arr[0] is being read before being initialized.

The program generates a runtime exception because arr[0] is being read before being initialized.

The program compiles and prints 0 when executed

The program compiles and prints 1 when executed.

The program compiles and runs but the results are not predictable because of un-initialized

memory being read

Ans: The program compiles and prints 0 when executed

Q39

Read the following example. Which of the following options relates to this example?

"Customer needs to know what is the interest he is earning; and may not need to know how the bank is calculating this interest."

Single Choice - Select one correct answer from the options list.

Encapsulation

Inheritance

Polymorphism

Abstraction

Ans: Abstraction

L1 JEE FS Mod 2 Practice Test

Q1

Examine the structure of EMP table:

Parvathy wants to view the sorted employee details based on JOB in ascending order.

If multiple employees are working with same JOB role, then sort the details again with

salary in descending order. Which of the following statement will match for the requirement?

Single Choice - Select one correct answer from the options list.

SELECT * FROM emp ORDERBY salary,job;

SELECT * FROM emp ORDERBY job,salary;

SELECT empno,job,salary FROM emp ORDER BY 2,3 DESC;

SELECT * FROM emp ORDERBY job ,salary DESC;

Ans: SELECT empno,job,salary FROM emp ORDER BY 2,3 DESC;

Q2

Identify the correct statements to delete all information of employees belonging to department 20.

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

1. SQL>DELETE *

FROM Emp

WHERE deptno = 20;

2. SQL>TRUNCATE TABLE Emp

WHERE deptno=20;

3. SQL>DELETE EMP

WHERE deptno = 20;

4. SQL>DELETE

FROM Emp

WHERE deptno =20;

Ans: 3 & 4

Q3

Examine the contents of STAFF table as shown below:

Which of the following statements will be used to identify the staff details

who are working as a manager?

Single Choice - Select one correct answer from the options list.

1. SELECT staffid, staffNAME FROM staff outerr

WHERE staffid IN (SELECT staffid

FROM staff innerr WHERE innerr.MGR = outerr.staffid)

2.SELECT staffid, staffNAME FROM staff outerr
WHERE staffid =ALL (SELECT staffid
FROM staff innerr WHERE innerr.MGR = outerr.staffid)

3.SELECT staffid, staffNAME FROM staff outerr
WHERE EXISTS (SELECT staffid
FROM staff innerr WHERE innerr.MGR = outerr.staffid)

4.SELECT staffid, staffNAME FROM staff outerr
WHERE staffid =ANY (SELECT staffid
FROM staff innerr WHERE innerr.MGR = outerr.staffid)

Ans: 3

Q4

Index is used to:

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

- 1.They are commonly used as read only objects
- 2.Increase the row retrieval time.
- 3.Reduce disk I/O by locating the data quickly.
- 4.Increase the speed of Updates.

Ans: 1,3

Q5

Match the following:

- 1) *
- 2) #Data
- 3) .Data
- 4) :Data

- a) Pseudoclasses selector
- b) Universal Selector
- c) Id Selector

d) Class Selector

Single Choice - Select one correct answer from the options list.

1-b, 2-c, 3-d, 4-a

1-b, 2-d, 3-c, 4-a

1-b, 2-c, 3-a, 4-d

1-c, 2-b, 3-d, 4-a

Ans: 1-b, 2-c, 3-d, 4-a

Q6

```
<!DOCTYPE HTML>
```

```
<html>
```

```
<body>
```

```
<form action="">
```

Enter a date before 1980-01-01:

```
<input type="date" name="bday" max="1979-12-31">
```

```
<br>
```

Enter a date after 2000-01-01:

```
<input type="date" name="bday" min="2000-01-01">  
<br>  
<input type="submit">  
</form>  
</body>  
</html>
```

Given the above code snippet in HTML5, what date the date picker will display?

Single Choice - Select one correct answer from the options list.

1. Wrong attributes used, instead use "minimum" and "maximum" with input type date to apply constraints
2. The first date is displayed from December, 1979 and after that and will span to year 1980
or afterwards. The second date is displayed before year 2000
3. The first date is displayed from December, 1979 and before that and will not span to year 1980

or afterwards. The second date is displayed after year 2000 and not before

4.Min and Max attributes have no effect on input type as date and date picker shows current date

Ans: 3

Q7

Consider HTML code snippet:

```
<input type="checkbox" value="Web Basics" name="skill"/>WebBasics
```

```
<input type="checkbox" value="Oracle" name="skill"/>Oracle<BR>
```

```
<input type="checkbox" value="Core Java" name="skill"/>Core Java
```

```
<<input type="checkbox" value="Spring" name="skill"/>Spring
```

Consider JavaScript Code snippet:

```
1:function validate() {
2: var len1=document.frm.skill.length;
3: var skillsList="";
4: var count=0;
5: for(index1=0;index1<len1;index1++) {
6: if(_____) {
7:  count++;
8:  skillsList=skillsList+" , "+document.frm.skill[index1].value; }
9: }
10: if(count==0) {
11:  alert("Select any one of the skills");
12:  return false;
13: } else {
14:  alert("Selected skills"+skillsList+"\nSelected city
"+document.frm.city.value);
15:  return true; }
16: }
```

Which statement has to be included in the blank line at Line 6 to check whether

any check box is checked or not?

Single Choice - Select one correct answer from the options list.

1.document.frm.skill[index1].selected

2.document.frm.skill[index1].checked

3.document.frm.skill[index1].disabled

4.document.frm.skill[index1].unchecked

Ans: 2

Q8

You have an application which enables a user to enter a URL.

The URL may contain spaces, which are not supported in requests which are sent from browsers.

You need to solve this problem by replacing the space by a special symbol like %.

How can this be achieved?

Single Choice - Select one correct answer from the options list.

Use decode method.

Use append method.

Use escape method.

Use encode method.

Ans:Use escape method.

Q9

Rakshana likes to create an input field only to display contents and contents length may

exceeds more than one line. Which statement is more suitable for this requirement?

Single Choice - Select one correct answer from the options list.

`<input type="text" value="Content" readonly/>`

```
<textarea readonly>Content</textarea>
```

```
<textarea>Content</textarea>
```

```
<textarea value="Content" disabled/>
```

Ans: <textarea readonly>Content</textarea>

Q10

Consider the below code snippet:

Select a country:

```
<select name="country">
```

```
  <option value="Germany">Germany</option>
```

```
  <option value="India" selected>India</option>
```

```
  <option value="China">China</option>
```

```
  <option value="Japan" >Japan</option>
```

```
</select>
```


Which of the statement(s) is/are true about the above given code snippet?

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

1. User will be able to select more than one country from this list
2. Default selected country is "India"
3. Name of this drop down list box is "country"
4. By default, all the options are visible in the drop down list box.

Ans: 2,3

Q11

Which of the event handlers are supported in button objects?

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

1. OnClick

2.OnChange

3.OnMouseUp

4.OnMouseDown

Ans: 1,2,3

Q12

Which of the following code will help me to create the textbox to select month and year?

Single Choice - Select one correct answer from the options list.

1.<input type="text" name="bday" list="monthList"/>

<datalist id="monthlist">

<option value="January">

<option value="February">

<option value="March">

<option value="April">

<option value="May">

<option value="June">

<option value="July">

<option value="August">

2.<input type="date" name="date">

3.<input type="month" name="bdaymonth">

4.<input type="monthyear" name="date">

Ans: 2

Q13

What would be printed, if the following function is invoked?

```
function printDay()  
{  
    date=new Date();  
    document.write(date.getDate());  
}
```

Single Choice - Select one correct answer from the options list.

Nothing is printed.

Prints a random date.

The function does not compile. Variable "date" is not declared.

Prints the current date.

Ans: Prints the current date.

Q14

Which of the following selector will apply the style on the element designated by a pointing device?

Single Choice - Select one correct answer from the options list.

.hover

:hover

:onfocus

.onfocus

Ans: :hover

Q15

Examine the below code:

```
@Controller
@RequestMapping("/employee")
public class EmployeeController {
    @RequestMapping(value = "/save", method = RequestMethod.POST)
    public ModelAndView saveEmployee(@ModelAttribute("employee")
Employee employee,
    BindingResult result) { }}
```

Which URL request will invoke the saveEmployee method in the above controller?

Consider the application name is EmployeeMaintenance.

Single Choice - Select one correct answer from the options list.

- 1.http://localhost:8080/EmployeeMaintenance/employee/save.obj
- 2.http://localhost:8080/EmployeeMaintenance/employee.obj
- 3.http://localhost:8080/EmployeeMaintenance/save.obj
- 4.http://localhost:8080/EmployeeMaintenance/employee?value="save .obj"

Ans: 1

Q16

Consider the below code snippet exists in Spring Configuration file:

```
<beans ...>
```

```
<context:component-scan base-package="com.cg.bean" />
```

```
<util:properties id="custprops"
```

```
location="classpath:customer.properties" />
```

```
</beans>
```

Contents in "customer.properties" file looks as shown below:

custid=1001

name=Gita

Identify the bean code snippet in which value should be injected through annotations

and using spring SPEL.

Single Choice - Select one correct answer from the options list.

1. @Component("customer")

public class Customer {

@Value("\${custprops.custid}")

private int custId;

@Value("\${custprops.name}")

private String name;

.....

```
}
```

```
2.@Component("customer")
```

```
public class Customer {
```

```
@Value("#{custprops.custid}")
```

```
private int custId;
```

```
@Value("#{custprops.name}")
```

```
private String name;
```

```
.....
```

```
}
```

```
3.@Component("customer")
```

```
public class Customer {
```

```
#{custprops.custid}
```

```
private int custId;
```

```
#{custprops.name}
```

```
private String name;
```

```
.....
```



```
}
```

```
4. @Component("customer")
```

```
public class Customer {
```

```
    @Value("#{custprops.custid}")
```

```
    private int custId;
```

```
    @Value("#{custprops.name}")
```

```
    private String name;
```

```
    .....
```

```
}
```

Ans: 4

Q17

EntityManager injected by which of the following annotation ?

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

1.@PersistenceUnit

2.@PersistenceContext

3.@Persistence

4.@Context

Ans: 1,2

Q18

public class Login

{

1. *****

private String username;

2. *****

private String password;

//getter and setter method exists for all these properties

}

Which statement(s) insertion in the above code at Line 1 and 2 will validate the field values to

accept username of 3 characters only and password value of atleast 6 characters long.

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

1. @Size(min=3,max=3,message="Username must be 3 characters");

2. @Size(min=3,message="Username must be 3 characters");

3. @Size(min=6,message="Password must be atleast 6 characters long");

4. @Size(max=6,message="Password must be atleast 6 characters long");

Ans: 1,3

Q19

Which of the following statement(s) is/are true regarding Spring AOP?

- i. Weaving is the process of inserting aspects into application.
- ii. Proxy is the class being advised.
- iii. Pointcut is a point in the execution of the application where an aspect can be plugged in.
- iv. Aspect is the cross cutting functionality being implemented
- v. Spring's AOP supports both, method interceptor as well as constructor interceptor

Single Choice - Select one correct answer from the options list.

Statements ii, iii and v are true

Statements ii and iv are true

Statements i and iv are true

Statements i and iii are true

Ans: Statements i and iv are true

Q20

Which of the following option represent the correct sequence steps for Spring JPA integration?

Single Choice - Select one correct answer from the options list.

a)1. Create or lookup for DataSource

2. Obtain EntityManager in DAO repositories.

3. Configure Persistence Unit using Spring API.

4. Setup transaction management on Services

b)1. Create or lookup for DataSource

2. Configure Persistence Unit using Spring API.

3. Obtain EntityManager in DAO repositories.

4. Setup transaction management on Services

c)1. Create or lookup for DataSource

2. Setup transaction management on Services

3. Obtain EntityManager in DAO repositories.

4. Configure Persistence Unit using Spring API.

- d)1. Setup transaction management on Services.
2. Configure Persistence Unit using Spring API.
 3. Obtain EntityManager in DAO repositories.
 4. Create or lookup for DataSource.

Ans: b

Q21

Select the list of clients a RESTful web service can support:

Single Choice - Select one correct answer from the options list.

Java Web client

.NET client

standalone Java application

None of the above

Ans: .NET client

Q22

Which of the following API avoid runtime cast exception in JPA?

Single Choice - Select one correct answer from the options list.

- 1.Query
- 2.TypedQuery<T>
- 3.EntityManager
- 4.None of the above

Ans: TypedQuery<T>

Q23

@NamedQueries annotation on entity Student for which of the given syntax is correct to use

fetching all student records from database?

Single Choice - Select one correct answer from the options list.

- 1.@Entity
- @Table(name = "students")

@NamedQueries(
@NamedQuery(name = "getAllStudents", query = "SELECT student
FROM Student student"))
public class Student implements Serializable { }

2.@Entity

@Table(name = "students")
@NamedQuery(name = "getAllStudents", query = "SELECT student
FROM Student student")
public class Student implements Serializable { }

3.@Entity

@Table(name = "students")
@NamedQueries(
name = "getAllStudents", query = "SELECT student FROM Student
student")
public class Student implements Serializable { }

4.@Entity

@Table(name = "students")
@NamedQueries(
name = "getAllStudents", query = "SELECT student FROM Student
student")
public class Student implements Serializable { }


```
@NamedQuery(type = "getAllStudents", query = "SELECT student  
FROM Student student"))
```

```
public class Student implements Serializable { ..... }
```

Ans: 1

Q24

Select the most appropriate code to create a Web service end-point interface:

Single Choice - Select one correct answer from the options list.

1. @WebService

```
public interface Book {
```

```
    @WebMethod
```

```
    float getPrice(String bookName);
```

```
}
```

2. @WebMethod

```
@SOAPBinding(style = Style.RPC)

public interface Book {

    @WebService

    float getPrice(String bookName);

}
```

3. @WebService

```
@SOAPBinding(style = Style.RPC)

public interface Book {

    @WebMethod

    float getPrice(String bookName);

}
```

4. public interface Book {

```
@WebMethod

float getPrice(String bookName);

}
```

5. @WebService

```
public interface Book {
```

```
float getPrice(String bookName);  
}
```

Ans: 3

Q25

_____ class validations specified in Spring is checked whether input is adhering.

Single Choice - Select one correct answer from the options list.

Valid

BindingResult

Validatable

ValidationAware

Ans: BindingResult

Q26

Examine the below class:

```
public class Employee
{
    public Employee(int empld, int age){

        ....
    }

    ...
}
```

Consider Spring Configuration code snippet for the above class:

```
<bean id="employee" class="Employee">
<constructor-arg _____ value="2001"/>
<constructor-arg _____ value="24"/>
</bean>
```

Select correct option(s) to fill the blank lines in the above code for completing the configuration

of the bean to inject values for the properties through constructor injection.

Single Choice - Select one correct answer from the options list.

1.type="int"

type="double"

2.index="0"

index="1"

3.index="1"

index="2"

4.order="0"

order="1"

Ans: 2

Q27

What is role of Spring Framework?

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

1. Provides a comprehensive programming and configuration model for modern Java-based enterprise applications on any kind of deployment platform.
2. Builds on Spring MVC and allows implementing the flows of a web application.
3. Can be used to integrate with groovy for building high-productivity dynamic application.
4. Used to simplify the development of big data applications.

Ans: 1,3

Q28

Match the following:

1. @Component
2. @Controller
3. @Service
4. @Repository

- a. Business logic implementation class will be marked with this annotation
- b. Represent a data access logic class
- c. Classes annotated with this is referred as spring beans
- d. Controller in Spring MVC will be annotated with this.

Single Choice - Select one correct answer from the options list.

1 - b, 2 - d, 3 - a, 4 - c

1 - c, 2 - a, 3 - d, 4 - b

1 - c, 2 - d, 3 - b, 4 - a

1 - c, 2 - d, 3 - a, 4 - b

Ans: 1 - c, 2 - d, 3 - a, 4 - b

Q29

Which of the given statement is true about above code?

EntityManagerFactory factory = Persistence

```
.createEntityManagerFactory("JPA-PU");
```

Single Choice - Select one correct answer from the options list.

1.JPA-PU is the name of persistence unit, which must be defined in persistence.xml

2.EntityManagerFactory is a class, using which we can create EntityManager

3.both 1 and 2

4.None of the above

Ans: 3

Q30

Examine the below code:

```
package com.cg;  
  
public class ProductService  
{  
  
    private ProductDAO productDAO;
```


.....

}

Select the option(s) which suits to configure the above class in spring configuration file as beans.

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

1.<bean id="productService" class="com.cg.ProductService">

<bean class="com.cg.ProductDAO"/>

</bean>

2.<bean id="productDAO" class="com.cg.ProductDAO"/>

<bean id="productService" class="com.cg.ProductService">

<property name="productDAO">

<ref bean="productDAO"/>

</property>

</bean>

3.<bean id="productDAO" class="com.cg.ProductDAO"/>

```
<bean id="productService" class="com.cg.ProductService">
  <property name="productDAO">
    <refer bean="productDAO"/>
  </property>
</bean>
```

```
4.<bean id="productDAO" class="com.cg.ProductDAO"/>
<bean id="productService" class="com.cg.ProductService"
autowire="byName"/>
```

Ans: 2,4

Q31

Select the correct statement about spring annotations?

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

@Service: This annotation marks classes that implement a part of the business logic of the application.

@ComponentScan : An equivalent for Spring XML's
<context:component-scan/> is provided with
the @ComponentScan annotation.

@EnableAutoConfiguration annotation will trigger automatic loading
of all the beans the application requires.

@Configuration annotation tells Spring that a method annotated with
@Bean will return an object
that should be registered as a bean in the Spring application context.

Ans: 1,2,3

Q32

In spring MVC, _____ queries a view resolver with logical name to
find actual view page.

Single Choice - Select one correct answer from the options list.

HandlerMapping

DispatcherServlet

ModelAndView

Controller

Ans: DispatcherServlet

Q33

Consider there is a class named as "Student.java" which is annotated with @Component and

the class exists in "com.cg.beans" package. Which code inclusion will detect this class?

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

- 1.Include <context:component-scan base-package="com.cg.*" /> in Spring configuration file
- 2.Include <context:component-scan base-package="com.cg.beans" /> in Spring configuration file
- 3.Annotated classes will be detected automatically.
- 4.Include <context:component-scan base-package="com.cg.Student" /> in web.xml

Ans: 1,2

Q34

Given below following URL

"http://localhost:8080/SpringRESTFULMVC/movie/ironMan"

which of the method will call ?

Single Choice - Select one correct answer from the options list.

1. @Controller

@RequestMapping("/movie")

public class MovieController {

@RequestMapping(value = "/{name}", method = RequestMethod.GET)

public String getMovie(@PathVariable String name, ModelMap model)
{

model.addAttribute("movie", name);

return "list";

}

2.@Controller

@RequestMapping("/movie")

public class MovieController {

@RequestMapping(value = "/{uname}{name}", method =
RequestMethod.GET)

public String getMovie(@PathVariable String name, ModelMap model)
{

model.addAttribute("movie", name);

return "list";

}

3.@Controller

@RequestMapping("/movie")

public class MovieController {

@RequestMapping(value = "/", method = RequestMethod.GET)

```
public String getDefaultMovie(ModelMap model) {  
  
    model.addAttribute("movie", "this is default movie");  
    return "list";  
  
}}
```

4.@Controller

```
@RequestMapping("/id")  
public class MovieController {  
  
    @RequestMapping(value = "/{name}", method = RequestMethod.GET)  
    public String getMovie(@PathVariable String name, ModelMap model)  
    {  
  
        model.addAttribute("movie", name);  
        return "list";  
  
    }  
}
```

Ans: 1

Q35

Why Restful services is easy to work with?

Single Choice - Select one correct answer from the options list.

1. Restful web services are easier to work with , as resources can be accessed via SOAP.

2. Restful web services are easier to work with , as resources can be accessed via Http.

3. Restful web services are easier to work with , as resources can be accessed by user- defined messaging formats .

4. Restful web services are easier to work with , as resources can be identified by URIs.

Ans: 4

Q36

Choose the correct statement about Spring Boot?

Single Choice - Select one correct answer from the options list.

1. Dynamically wires up beans and settings and applies them to your application context
2. Provides a productive and stream-lined full-stack web framework by combining the power.
3. An open-source library with which an application can be connected with cloud environment.
4. A lightweight, comprehensive batch framework designed to enable the development of robust batch applications vital for the daily operations of enterprise systems.

Ans: 1

Q37

Which of the following statement(s) is/are true about @RequestMapping annotation?

Single Choice - Select one correct answer from the options list.

- 1.@RequestMapping annotation can be used only at Method Level.
- 2.@RequestMapping annotation can be used at Class Level only.
- 3.@RequestMapping annotation can be used at both class and method Level.
- 4.@RequestMapping can also be used to specify the acceptable request method.

Ans: 3

Q38

Examine the below code in Spring configuration file:

```
<beans>

<bean id="testBean" class="com.cg.beans.Test" >

  <property name="testId" value="101"></property>

  <property name="testName" value="Java"></property>

  <property name="invigilators">

    <list>
```

```
<ref bean="staff1"/>
<ref bean="staff2"/>
</list>
</property>
</bean>
<bean id="staff1" class="com.cg.beans.Staff">
  <property name="staffId" value="4001"></property>
  <property name="name" value="Rama"></property>
</bean>

<bean id="staff2" class="com.cg.beans.Staff">
  <property name="staffId" value="4002"></property>
  <property name="name" value="Sita"></property>
</bean>
</beans>
```

Choose the appropriate spring beans code which will match with the given configuration code.

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

```
1.package com.cg.beans;

public class Staff {

    private int staffId;

    private String name;

    //getter and setter methods for these properties

}
```

```
2.package com.cg.beans;

public class Staff {

    private int staffId;

    private String name;

    private List<Test> tests;

    //getter and setter methods for these properties

}
```

```
3.public class Test {

    private int testId;

    private String testName;

    private List<Staff> invigilators;
```

```
//getter and setter methods for these properties  
}
```

```
4. public class Test {  
    private int testId;  
    private String testName;  
    private Staff invigilators;  
    //getter and setter methods for these properties  
}
```

Ans: 1,3

Q39

A developer need to return product object from controller to a view page "DisplayProduct.jsp".

Which code snippet inclusion in Controller will be best suitable?

Consider the below Product Spring bean class exists:

```
package com.cg.beans;
```

```
class Product
{
    private String name;
    private double price;
    // getters and setter methods for these properties exist.
}
```

Single Choice - Select one correct answer from the options list.

```
1. public ModelAndView handleRequest(HttpServletRequest request,
    HttpServletResponse response)
    throws ServletException, IOException {
    Product p=new Product();
    p.setName("Pen");
    p.setPrice(20);
    return new ModelAndView("DisplayProduct.jsp","product",p);
}
```

```
2. public ModelAndView handleRequest(HttpServletRequest request,
    HttpServletResponse response)
    throws ServletException, IOException {
```

```
Product p=new Product();  
p.setName("Pen");  
p.setPrice(20);  
return new ModelAndView("product",p,"DisplayProduct.jsp");  
}
```

```
3.public ModelAndView handleRequest(HttpServletRequest request,  
HttpServletResponse response)  
throws ServletException, IOException {  
Product p=new Product();  
p.setName("Pen");  
p.setPrice(20);  
return new ModelAndView("product",p,"DisplayProduct");  
}
```

```
4.public ModelAndView handleRequest(HttpServletRequest request,  
HttpServletResponse response)  
throws ServletException, IOException {  
Product p=new Product();  
p.setName("Pen");
```

```
p.setPrice(20);  
return new ModelAndView("DisplayProduct","product",p);  
}
```

Ans:4

Q40

Match the following:

A. version

B. artifactId

C. groupId

1. This is an Id of project's group. This is generally unique amongst an organization or a project.

For example, a banking group com.company.bank has all bank related projects.

2. This is an Id of the project .This is generally name of the project. For example, consumer-banking.

Along with the groupId, the artifactId defines the artifact's location within the repository.

3. This is the version of the project.Along with the groupId, It is used within an artifact's repository

to separate versions from each other.

Single Choice - Select one correct answer from the options list.

A-1, B-2, C-3

A-3, B-2, C-1

A-2, B-3, C-1

A-2, B-1, C-3

Ans: A-3, B-2, C-1

Q41

Select the correct order of the invocation of service functions in servlet.

Single Choice - Select one correct answer from the options list.

1. `public void service(..)`

either `void doGet(..)` Or `void doPost(..)`

either `void doGet(..)` Or `void doPost(..)`

2. `private void service(..)`

either `void doGet(..)` Or `void doPost(..)`

3. `public void service(..)`

4. None of the above

Ans: 1

Q42

`@WebServlet("/my-address")`

`public class MyServlet extends HttpServlet { ... }`

Choose the correct URL.

Single Choice - Select one correct answer from the options list.

1.http://hostname/appname/my-address

2.http://hostname/my-address

3.http://appname/my-address

4.http://hostname/appname

Ans: 1

Q43

In a J2EE enabled application, _____ is a component that acts as an interceptor.

Single Choice - Select one correct answer from the options list.

Servlet

Listener

Filter

JSP Page

Ans: Filter

Q44

Which of the following statements are TRUE for the code given below?

```
int MAX_AGE;  
  
Cookie cookie = new Cookie("user", user);  
  
cookie.setMaxAge(MAX_AGE);  
  
response.addCookie(cookie);
```

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

- 1.If MAX_AGE = 10 the cookie will expire after 10 seconds.
- 2.If MAX_AGE = 10 the cookie will expire after 600 seconds.
- 3.If MAX_AGE = 0 the cookie will be deleted.

Ans: 1,3

Q45

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class HelloWorld extends HttpServlet
{
    public void doGet(HttpServletRequest request,HttpServletResponse
response)
    {
        PrintWriter print = response.getWriter(); print.println("Hello
World");
    }
}
```

What is true about the above code ?

Single Choice - Select one correct answer from the options list.

1. Program executes and displays a message Hello World
2. Program does not compile as the implicit object out is not specified for printing the message
3. Program does not execute as the doGet() does not throw ServletException and IOExceptions
4. Program may execute, but instead of the doGet(), the doPost should be used if printing is to be done.

Ans: 3

Q46

Assumption:

5 web applications are deployed under Jboss application server and each of them

consists of 2 servlets. How many instances of type ServletContext will be created

when the server gets started?

Single Choice - Select one correct answer from the options list.

10

5

1

25

Ans: 5

Q47

Following is the code for doGet() method of TestServlet. Which of the given statements

about it are correct?

```
public void doGet(HttpServletRequest req, HttpServletResponse res)
{
    try
    {
```

```
    RequestDispatcher rd =  
this.getServletContext().getRequestDispatcher("Login.jsp"); // 1  
    rd.forward(req, res); // 2  
}  
catch(Exception e)  
{  
    e.printStackTrace();  
}  
}
```

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

- 1.This will not compile.
- 2.This will compile but will give runtime error.
- 3.This will compile and work properly.
- 4.This will compile. However, it will work properly only if //1 is replaced with:

```
RequestDispatcher rd = req.getRequestDispatcher("Login.jsp");
```

Ans: 2,4

Q48

We have following methods declared in our servlet:

```
public void service(HttpServletRequest request, HttpServletResponse  
response)
```

```
{ System.out.println("Service Method"); }
```

```
public void doGet(HttpServletRequest request, HttpServletResponse  
response)
```

```
{ System.out.println("Get Method"); }
```

```
public void doPost(HttpServletRequest request, HttpServletResponse  
response)
```

```
{ System.out.println("Post Method"); }
```

This servlet is invoked by an HTML in which we have specified
method="post"

What output will it show on the console?

Single Choice - Select one correct answer from the options list.

1.Service Method

Get Method

Post Method

2.Service Method

Post Method

3.Service Method

4.Post Method

Ans: 3

Q49

Which of the following is the correct function in a servlet to get all the cookie from client?

Single Choice - Select one correct answer from the options list.

1.request.getCookies()

2.response.getCookies()

3.request.getCookie()

4.response.getCookie()

Ans: 1

Q50

Point out error(s) if any in the following code snippet:

```
import javax.servlet.*;
import javax.servlet.http.*;
class MyServlet extends HttpServlet {
    public void DOGET(){
        System.out.println("Inside DOGET");
    }
    public static void main(String args[]) {
        System.out.println("Inside DOGET");
    }
}
```

Single Choice - Select one correct answer from the options list.

1.Compilation Error indicating invalid signature and name of method DOGET

2.No Compilation Error

3.Compilation Error indicating Servlet class must not contain main() method

4.Compilation Error indicating MyServlet class should be declared as public

Ans: 2

Q51

Which of the following code snippets shows the most appropriate use of <jsp:forward> ?

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

1.<jsp:forward page="/pages/register.jsp">

<jsp:param name="user" value="John"/>

</jsp:forward>

2.<jsp:forward page="/pages/register.html">

<jsp:param name="user" value="John"/>

</jsp:forward>

3.<jsp:forward page="/registerServlet">

<jsp:param name="user" value="John"/>

</jsp:forward>

4.<jsp:forward page="/registerServlet"/>

<jsp:param name="user" value="John"/>

Ans: 1,3

Q52

What following code will produce?

<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>

<hr>

```
<c:forEach var="i" begin="10" end="1" step="-2">
```

```
    <c:out value="${i}" />
```

```
    <br />
```

```
</c:forEach>
```

Single Choice - Select one correct answer from the options list.

1. Error, since begin is greater than end
2. Error, since step is < 0
3. It will print 10 8 6 4 2
4. It will produce error: Invalid use of EL

Ans: 2

Q53

My.jsp is loaded and executed twice, then it is edited. After this the server is restarted

and now when My.jsp is requested, which of the following steps will be performed?

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

- 1.JSP translated to Servlet and compiled
- 2.Servlet loaded into memory
- 3.jspInit called
- 4._jspService called

Ans: 1,2,3,4

Q54

Consider the following code snippet. What will be the output?

```
<%= if(Math.random() < 0.5) %>
```

```
    hello
```

```
<%= } else { %>
```

```
    hi
```

```
<%= } %>
```

Single Choice - Select one correct answer from the options list.

- 1.It will always print hello
- 2.It will always print hi
- 3.It will print either hello or hi depending on the return value of random
- 4.The JSP file has errors and will not compile

Ans: 3

Q55

Given:

```
//Code for error.jsp
```

This is an Error Page

```
//Code for test.jsp
```

```
<%@page errorPage = "error.jsp" %>
```

```
<%!
```

```
int arr[]={5,6,7,8};
```



```
%>
```

```
<%
```

```
for(int i=0;i<4;i++) {
```

```
    int val = arr[i];
```

```
%>
```

```
<%=val%>
```

```
<%
```

```
}
```

```
%>
```

What will be the output of the above code fragment?

Single Choice - Select one correct answer from the options list.

1.This is an Error Page

2.5 6 7

3.5 6 7 8

4.Some Error raised by JSP Engine

Ans: 3

Q56

```
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
<c:set var="cnt" value="2"/>
<c:choose>
    <c:when test="${cnt>0}">
        <c:out value="1"/>
    </c:when>
    <c:when test="${cnt==1}">
        <c:out value="2"/>
    </c:when>
    <c:when test="${cnt<2}">
        <c:out value="3"/>
    </c:when>
    <c:otherwise>
        <c:out value="4"/>
    </c:otherwise>
</c:choose>
```

What is the output of the above code snippet?

Single Choice - Select one correct answer from the options list.

- 1.The code will not compile because of incorrect syntax
- 2.The output cannot be determined
- 3.The code will print 4
- 4.It prints 1

Ans: 4

Q57

A _____ is the one that documents the JSP page but is not sent to the client.

Single Choice - Select one correct answer from the options list.

- 1.Hidden comment
- 2.Comment
- 3.Compiler comment
- 4.Runtime comment

Ans: 1

Q58

What is the effect of executing the following JSP statement, assuming a class with name

Employee exists in classes package?

```
<%@ page import = "classes.Employee" %>
```

```
<jsp:useBean id="employee" class="classes.Employee"  
scope="session"/>
```

```
<jsp:setProperty name="employee" property="*" />
```

Single Choice - Select one correct answer from the options list.

- 1.The code does not compile as there is no property attribute of setProperty tag.
- 2.The code does not compile as property attribute cannot take * as a value.
- 3.The code sets value of all properties of employee bean to "*".

4.The code sets the values of all properties of employee bean to matching parameters in request object.

Ans: 4

Q59

<%@ page implements = "java.lang Runnable" %>

Is the above statement valid ?

Single Choice - Select one correct answer from the options list.

True

False

Ans: False

Q60

```
<%= "HelloWorld" %>
```

This is an example of:

Single Choice - Select one correct answer from the options list.

- 1.jsp directive
- 2.jsp expression
- 3.jsp scriptlet
- 4.jsp declaration

Ans: 2

Q61

What will be printed out if this is the jsp code?

```
<% java.util.Locale s=request.getLocale() %>
```

```
<%= s %>
```

Single Choice - Select one correct answer from the options list.

It will not compile.

It will print the default client's Web browser locale.

It will print the default web server Locale.

It won't print the default Locale but the first language specified in the Accept-Language request's header.

Ans: It will not compile.

Q62

What is the default scope attribute value in <jsp:useBean> action tag?

Single Choice - Select one correct answer from the options list.

session

page

application

request

context

Ans: page

Q63

What following JSP snippet will produce?

```
<%  
methodX();  
public void methodX()  
{  
    out.println("Hello ");  
}  
%>
```

Single Choice - Select one correct answer from the options list.

- 1.It will print Hello at the output.
- 2.It will produce an error as function is called before defining it.

3.It will produce an error as function is defined in scriptlet.

4.It will produce an error as JSP does not allow methods to be defined.

Ans: 3

Q64

Consider the following code snippets. Which of them is correct syntax for page directive?

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

1.<% page info="test page" %>

2.<%@page info="test page" %>

3.<%@ page session="true" %>

4.<%@ page isErrorPage="errorPage.jsp" %>

Ans: 2,3

Q65

```
<c:set var="city" value="${user.address.city}" default="N/A" />
```

What does the above line indicate ?

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

- 1.Variable city is assigned value of user bean's property
- 2.Variable called 'city' is set with the default value of 'N/A'
- 3.Bean property address is set to 'city'
- 4.This tag will throw null pointer exception if user object is not in any of the scopes.

Ans: 1,2

Q66

What gets printed when the following JSTL code fragment is executed?

```
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
<c:set var="item" value="2"/>
<c:forEach var="item" begin="0" end="0" step="2">
<c:out value="${item}" default="abc"/>
</c:forEach>
```

Single Choice - Select one correct answer from the options list.

- 1.The JSTL code does not compile as an attribute for forEach tag is not correct.
- 2.Nothing gets printed as c:out statement does not get executed.
- 3.0
- 4.2
- 5.ABC

Ans: 3

L1 Mock Test Questions



Q1

What will the following statement is true in context of JDBC 4?

Single Choice - Select one correct answer from the options list.

JDBC 4 auto loads and registers the Driver available in build path for Database access

Driver jar is not required while working with JDBC4

Class.forName("driver name") is still required to load and register the driver

None of the above

Q2

```
public class TestDemo
{
@Test
static TestDemo td=new TestDemo();

public static void main(String args[])
{
td.displayData();
}
@Test @Ignore
void displayData()
{
System.out.println("hello!!!");
}
}
```

Consider the given java code snippet & predict the output.
Single Choice - Select one correct answer from the options list.
no output , as @ignore is given above displayData method
hello!!!
compilation fails as @Test Cannot be used for a object
runtime exception occurs

Q3

```
public class TestDemo
{
@Ignore @Test(expected = ClassCastException.class)
public void testGetLastName(){ }
@Ignore @Test
public void getFirstName() { }
}
```

Consider the above java code snippet . How many test cases will execute?

Single Choice - Select one correct answer from the options list.

- 3
- 2
- 1
- 0

Q4

Regarding the BDD which of the below statement is correct?
Single Choice - Select one correct answer from the options list.
Test written are more complicated
Test are written in plain descriptive english
BDD is same as TDD

None of these

Q5

Feature: Is it Friday yet?

Everybody wants to know when it's Friday

Scenario: Sunday isn't Friday

Given today is Sunday

When I ask whether it's Friday yet

Then I should be told "Nope"

Which of the below generated step file matching with the feature mentioned above?

Single Choice - Select one correct answer from the options list.

```
@Given("^today is Sunday$")
public void today_is_Sunday() {
    throw new PendingException();
}
```

```
@When("^I ask whether it's Friday yet$")
public void i_ask_whether_is_s_Friday_yet() {
    throw new PendingException();
}
```

```
@Then("^I should be told \"([^\"]*)\"$")
public void i_should_be_told(String arg1) {
    throw new PendingException();
}
```

```
@Given("^today is Sunday$")
public void today_is_Sunday() {
    throw new PendingException();
}
```

```
}
```

```
@Then("^I should be told \"([^\"]*)\"$")  
public void i_should_be_told(String arg1) {  
    throw new PendingException();  
}
```

```
@Given("^today is Sunday$")  
public void today_is_Sunday() {  
    throw new PendingException();  
}
```

```
@When("^I ask whether it's Friday yet$")  
public void i_ask_whether_is_s_Friday_yet() {  
    throw new PendingException();  
}
```

```
@When("^I ask whether it's Friday yet$")  
public void i_ask_whether_is_s_Friday_yet() {  
    throw new PendingException();  
}
```

```
@Then("^I should be told \"([^\"]*)\"$")  
public void i_should_be_told(String arg1) {  
    throw new PendingException();  
}
```

Q6

Consider the following scenario:

Test Engg. wants to automate below scenario using Selenium IDE:

Open URL: <http://www.google.com/> and search for "Sachin Tendulkar"
After that he/she needs to ensure link "Sachin Tendulkar - Wikipedia, the free encyclopedia" is present on the results page

Which Selenium IDE commands would you suggest to Test Engg.?

Single Choice - Select one correct answer from the options list.

Test Engg. has to use

Open,Sendkeys,waitForElementPresent,assertTextPresent commands to automate this given scenario

Test Engg. has to use get,type,VerifyText commands to automate this given scenario

Test Engg. has to use Open,type,waitForTextPresent,VerifyLink commands to automate this given scenario

Test Engg. has to use Open,type,waitForElementPresent,assertText commands to automate this given scenario

Q7

Which of the following features are NOT supported by Selenium IDE ?

Single Choice - Select one correct answer from the options list.

Test in multiple browsers

Test against Firefox only

Export recorded tests to scripts

Record and Play

Q8

Cucumber doesn't support which of the below software platform?

Single Choice - Select one correct answer from the options list.

Ruby on rails

Selenium
Spring framework
Android

Q9

Background in Cucumber is:

Single Choice - Select one correct answer from the options list.

used to define a condition in the feature file.

used to define a step or series of steps which are common to all the tests in the feature file.

used to define a action in the feature file.

used to define a test.

Q10

Which of the below is the example of a scenario?

Single Choice - Select one correct answer from the options list.

Then some testable outcome is achieved

And something else we can check happens too

When some action by the actor

Then some testable outcome is achieved

And something else we can check happens too

Scenario: Some determinable business situation

Given some precondition

And some other precondition

When some action by the actor

Then some testable outcome is achieved

And something else we can check happens too

Scenario: Some determinable business situation
Then some testable outcome is achieved
And something else we can check happens too

Q11

Which of the below is not a Cucumber keyword?

Single Choice - Select one correct answer from the options list.

Feature

Scenario

Then

keys

Q12

When, Then, And, Given keywords can be replaced by which keyword?

Single Choice - Select one correct answer from the options list.

--

*

#

&

Q13

Which commands would you use to automate the following test scenario using Selenium IDE?

Open URL: <http://www.google.com/> and search for "Page Object Model".

The search textbox id is "lbsearch"

Single Choice - Select one correct answer from the options list.

1.open https://www.google.co.in
2.type id=lbsearch Page Object Model

1.get https://www.google.co.in
2.type id=lbsearch Page Object Model

1.geturl https://www.google.co.in
2.sendKeys id=lbsearch Page Object Model

1.open https://www.google.co.in
2.insert id=lbsearch Page Object Model

Q14

In WebDriver code what is the purpose of implicit wait?

Single Choice - Select one correct answer from the options list.

There is no feature for wait.

The implicit wait will tell to the web driver to wait for certain amount of time before it throws

a No Such Element Exception

The implicit wait is used to tell the Web Driver to wait for till the page gets loaded before

throwing an ElementNotVisibleExceptio.

The implicit wait is used to tell the Web Driver to wait for expected condition or the maximum

time exceeded before throwing an ElementNotVisibleException

Q15

Which of the following Selenium Web Driver code is correct for "Reset Button" on application web page?

Single Choice - Select one correct answer from the options list.

```
driver.findElement(By.name("btnReset")).sendKeys("You pressed Ok Button");  
driver.findElement(By.name("btnReset")).click();  
driver.findElement(By.name("btnReset")).submit();  
driver.findElement(By.name("btnReset")).reset();
```

Q16

Which of the following Selenium IDE script is correct for below given flow?

1. Open 'opencartdemo' application
2. verify title
3. Verify if search text box present on page
4. Enter text in search text box "Mobile"
5. click on search button
6. Verify the text" Search - mobile" is displaying on web page
7. Close the application

Single Choice - Select one correct answer from the options list.

1. geturl https://demo.opencart.com/
2. assertTitle Your Store
3. verifyElementPresent name=search
4. type name=search Mobile
5. clickAndWait id=serbutton
6. verifyText id=text1 Search - mobile
7. Close

1. open https://demo.opencart.com/
2. assertTitle Your Store
3. verifyElementPresent name=search
4. type name=search Mobile
5. clickAndWait id=serbutton

6. verifyText id=text1 Search - mobile
7. Exit

1. open https://demo.opencart.com/
2. assertTitle Your Store
3. verifyElementPresent name=search
4. type name=search Mobile
5. clickAndWait id=serbutton
6. verifyText id=text1 Search - mobile
7. Quit

1. open https://demo.opencart.com/
2. assertTitle Your Store
3. verifyElementPresent name=search
4. type name=search Mobile
5. clickAndWait id=serbutton
6. verifyText id=text1 Search - mobile
7. Close

Q17

Scenario outline is:

Single Choice - Select one correct answer from the options list.

used to replace different keyword

basically replaces variable/keywords with the value from the table.

Each row in the table is considered to be a scenario.

used to add negative type comments.

used to add conditions to your steps.

Q18

Consider the following HTML code :

```
<html>
  <head>
    <title>Select Dropdown</title>
  </head>
  <body>
    <div class="bn-default">
      <p>Please Enter any value: </p>
      <input name="textbox" class="txtbox-
default" type="text"></input>
      <input name="textbox" class="txtbox-
default" type="text"></input>
      <input type="radio" name="radio" value="option1" checke
d>
    </div>
  </body>
</html>
```

Which of the following is the best xpath to find second textbox ?

Single Choice - Select one correct answer from the options list.

Xpath = //div[@class='bn-default']/input[2]

Xpath = //div[@class='bn-default']/input[1]

Xpath = //div[@class='bn-default']/input

Xpath = //*[@name='textbox'][@class='txtbox-default']

Q19

BDD helps to focus on the user's needs and the system's expected behavior rather than

focusing too much on testing the implementation.

Single Choice - Select one correct answer from the options list.

TRUE

FALSE

Q20

Consider the below scenario:

David has to select selenium flavor suitable for below requirement:

"The application needs to be tested across different browsers"

Which flavor would you suggest to David?

Single Choice - Select one correct answer from the options list.

Selenium IDE

Selenium WebDriver

Selenium Grid

Selenium Web

Q21

Cucumber Hooks allows us to better manage the code workflow and helps us to reduce the code redundancy.

Single Choice - Select one correct answer from the options list.

TRUE

FALSE

Q22

In traditional automation more knowledge is required for designing as compared to BDD.

Single Choice - Select one correct answer from the options list.

This statement is correct

This statement is wrong

This statement is irrelevant to both approach.
None of these

Q23

Find the below given code snippet to select the value in City dropdown.

```
WebElement cityvar = Driver.findElement(By.name("dropcity"))
Select sel = new Select(cityvar);
sel.selectByText("Bangalore");
```

State whether the above code will get execute.

Single Choice - Select one correct answer from the options list.

Yes, the code will execute

No, the code will not execute

Code will give compilation error

None of the above

Q24

Which of the following is correct to implement interservlet communication?

Single Choice - Select one correct answer from the options list.

RequestDispatcher rd =

RequestDispatcher.getRequestDispatcher("path"); rd.include(request, response);

RequestDispatcher rd =

getServletContext().getRequestDispatcher("path"); rd.include(request, response);

RequestDispatcher rd =

RequestDispatcher.getRequestDispatcher(path);


```
RequestDispatcher rd =  
getServletContext().getRequestDispatcher("path");  
rd.dispatch(request,response);
```

Q25

Consider the below SomeServlet Code:

```
out.println("Output: " + request.getRequestURI());
```

If below is the URL used to invoke MyServlet,

```
http://localhost:8080/SomeApp/SomeServlet?txtName=bob&txtAmount=1000&btnSubmit=SUBMIT
```

then, What will be the output?

Single Choice - Select one correct answer from the options list.

Output: txtName=bob&txtAmount=1000&btnSubmit=SUBMIT

Output :

```
http://localhost:8080/SomeApp/SomeServlet?txtName=bob&txtAmount=1000&btnSubmit=SUBMIT
```

Output: null

Output: /SomeApp/SomeServlet

Q26

Which method of HttpSession object is used to find out at what time session was created?

Single Choice - Select one correct answer from the options list.

```
public long getCreationTime()
```

```
public long getLastAccessedTime()
```

```
public long getLastCreationTime()
```

```
public long getFirstAccessedTime()
```

Q27

In JSP Action tags, which tag is used to add an object to session?

Single Choice - Select one correct answer from the options list.

<jsp:include>

<jsp:useBean>

<jsp:plugin>

<jsp:param>

Q28

Consider following JSP code snippet. What would it result in?

```
<%! public String sample(){ return "Testing method sample()"; } %> <%=  
sample()%>
```

Single Choice - Select one correct answer from the options list.

Prints "Testing method sample()"

Will result in Blank page, however no error displayed on the page

Compilation error as the function cannot be called inside the expression tag

Runtime Exception as the function cannot be called inside the expression tag

Q29

```
<c:forEach var="item" items="one, two, three, four" >
```

```
//LINE 1
```

```
</c:forEach>
```

Select the correct option which will display all the value of items:

Single Choice - Select one correct answer from the options list.

<%=#{item} %>

<% \${item} %>

`${item}`
`${item[i]}`

Q30

Ganesh wants to include a file at the JSP page after page translation.
Which JSP directive has to be used by him?

Single Choice - Select one correct answer from the options list.

taglib directive
page directive
jsp action include
include directive

Q31

Select the correct way of specifying Single Table per Class hierarchy entity mapping strategy:

Single Choice - Select one correct answer from the options list.

InheritanceType.JOINED
InheritanceType.SINGLE_TABLE
InheritanceType.TABLE_PER_CLASS
None of these

Q32

Which annotation is representing Entity class?

Single Choice - Select one correct answer from the options list.

@Entity
@EntityClass
@EntityName
@Entities

Q33

Select the correct choice based on given statements:

1. DataSource in Spring can be acquired using either DriverManagerDataSource or by using JNDI lookup.
2. Entity manager could be either application managed or container managed.

Single Choice - Select one correct answer from the options list.

Statement 1 is true where as 2 is false

Statement 1 is false where as 2 is true

Both statements are true

Both statements are false

Q34

Select the correct statements about spring annotations?

Single Choice - Select one correct answer from the options list.

@Param annotation is class level annotation used to map requested URL

@ModelAttribute annotation binds a method parameter to a named attribute, exposed to web view

@RequestMapping can only be applied to methods of repository class

Usage of @Controller annotation at class level represents that class is used for Database connection

Q35

Which Spring modules usage will be more suitable for designing spring application in the below given scenarios?

Scenario 1: Developer wants to use new data access technologies, such as non-relational databases in his application.

Scenario 2: Developer wants to use an embedded server in a development environment.

Single Choice - Select one correct answer from the options list.

Scenario 1. Spring Data

Scenario 2. Spring Boot

Scenario 1. Spring Data

Scenario 2. Spring Cloud

Scenario 1. Spring XD

Scenario 2. Spring Framework

Scenario 1. Spring XD

Scenario 2. Spring Web

Q36

Consider the given class:

```
//Line 1.....  
public class PaymentRepositoryImpl {  
    //Line 2.....  
    private EntityManager entityManager;  
    //rest code  
}
```

If there is a requirement to configure above class using annotations, then which of the following annotations are valid to define Spring repository bean and inject EntityManager instance respectively?

Single Choice - Select one correct answer from the options list.

1. @Repository

2. @PersistenceContext

- 1.@Service
- 2.@PersistenceContext

- 1.@Repository
- 2.@EntityManager

- 1.@Controller
- 2.@PersistenceContext

Q37

Choose the correct statement about the given Spring code:

```
@Component
public class Order {
    @Autowired
    private Product product;
    private Customer customer;
    @Autowired
    public Order(Customer customer) {
        this.customer = customer;
    }

    // ...
}
```

Single Choice - Select one correct answer from the options list.

We can do @AutoWired by constructor ,but not by name

We can do @AutoWired by constructor & by name

We can do @AutoWired by name & but not by constructor

We can do @AutoWired not by name & by constructor

Q38

Select the correct statement about spring annotations?

Single Choice - Select one correct answer from the options list.

@Repository: This annotation marks classes that implement a part of the database access logic of an application

@ComponentScan : An equivalent for Spring XML's

<context:component-scan/> is provided with the @ComponentScan annotation

@EnableAutoConfiguration annotation will trigger automatic loading of all the beans the application requires

All of the above

Q39

Pick up the valid option for the scope attribute in Spring 3.0:

<bean id="app " class="com.cg.payment.dto " scope=" " />

Single Choice - Select one correct answer from the options list.

context

prototype

httpSession

page

Q40

In a Spring application, Consider InternalResourceViewResolver is used and handleRequest method returns ModelAndView

("home","msg",message) then which JSP will be invoked?

Single Choice - Select one correct answer from the options list.

home.jsp

msg.jsp

message.jsp

model.jsp

Q41

Consider the given code:

```
List<Integer> listInt = Arrays.asList(10,20,30,40,50,60);  
System.out.println(listInt.stream().reduce((prev,current)->prev +  
current));
```

Select the correct output ?

Single Choice - Select one correct answer from the options list.

Optional[210]

Optional[30]

Optional[110]

210

Q42

```
public class StreamDemo {  
  
    public static void main(String[] args) {  
    public static void main(String[] args) {  
        Stream<String>str = Stream.of("Hollow","wow","Welcome","wow","w  
orld");  
        str.filter((ref)->ref.contains("w")).distinct().forEach((strr)-  
>System.out.println(strr));  
  
    }  
}
```

What is the output of above code?

Single Choice - Select one correct answer from the options list.

Hollow

wow

wow
Welcome
world

Hollow
wow
Welcome
world

Hollow
wow
world

Hollow
wow
wow
world

Q43

Which method is used to get current thread name?

Single Choice - Select one correct answer from the options list.

Thread.currentThread().getName();

getThread().getName();

Thread.getName()

none of the above

Q44

Given:

1. interface Horse { public void nicker(); }

Which will give compilation error?

Single Choice - Select one correct answer from the options list.

```
public class Eyra implements Horse { public void nicker() { } }
```

```
public class Eyra implements Horse { public void nicker(int x) { } }
```

```
public class Eyra implements Horse {  
public void nicker() { System.out.println("huhuhuhuh..."); }  
}
```

```
public abstract class Eyra implements Horse {  
public void nicker(int loud) { }  
}
```

Q45

Which of the following Java interfaces can be used by Collections.sort() method to sort user defined objects stored in a list?

Single Choice - Select one correct answer from the options list.

SortedSet

Comparator

Comparable

None

Q46

Refer to the below code.

```
import java.util.Arrays;  
import java.util.List;
```

```

import java.util.TreeSet;

public class MyArray{

    public static void main(String a[]){
        String[] strArr = {"one","two","three","four","four","five"};
        //convert string array to list
        List<String> tmpList = Arrays.asList(strArr);
        //create a treeset with the list, which eliminates duplicates
        TreeSet<String> unique = new TreeSet<String>(tmpList);
        System.out.println(unique);
    }
}

```

What will be the output?

Single Choice - Select one correct answer from the options list.

[five, four, one, three, two]

[five,four, four, one, three, two]

compilation fails as list object cannot be passed to constructor of
TreeSet

[one,two,three,four,five]

Q47

Priya is involved in the development of online shopping system. She wants to maintain product details in a cart such as product id and quantity in the form of key/value pair. She wants data in sorted manner. Which collection classes would you suggest for her to implement the functionality based on the above requirement?

Single Choice - Select one correct answer from the options list.

java.util.Vector

java.util.HashMap

java.util.TreeMap

java.util.ArrayList

Q48

```
List<String> list = new ArrayList<>(); //Line 1
list.add("Hello");
list.add("World");
Consumer<List<String>> consumer = Collections ::reverse; //Line 2
consumer.accept(list);
System.out.println(list);
```

Refer to the above code snippet; what will be the output in console?

Single Choice - Select one correct answer from the options list.

Display [World, Hello] in console

Display [Hello, World] in console

Compilation error at Line number 1, as generics not specified

Compilation error at Line number 2, as reverse method returns does not return void

Q49

Which of the below statements are correct?

1. Static variable live basically as long as their class lives.
2. Instance Variables live as long as their object lives
3. Local variables live as long as their method is on stack ,however ,if th
eir method invokes
another method, ,they are temporarily unavailable.
4. Block variables (in a for loop or if stmt) live until the block completes

.

Single Choice - Select one correct answer from the options list.

only 1

only 1 and 2

All are correct

1,2,3

Q50

```
import java.util.function.BiFunction;
public class TestQuestion {
    public static void main(String[] args) {
        BiFunction<Integer, Integer, Boolean> isMax = (x, y) -> {
            return (x > y ? true : false);
        };
        System.out.println(isMax.apply(45, 50));
    }
}
```

What will be the output of above code?

Single Choice - Select one correct answer from the options list.

True

False

Compilation error as a BiFunction requires only 2 arguments

Exception is thrown

Q51

Which classes are used for Serialization process?

Single Choice - Select one correct answer from the options list.

ObjectInputStream & ObjectOutputStream

ObjectIOStream & IOStream

InputStream & OutputStream

BufferedInputStream, FileOutputStream & ObjectOutputStream

Q52

```
class Demo2
{
    public static void main(String ar[]){
        int a=Integer.parseInt(ar[0]);
        int b=Integer.parseInt(ar[1]);
        System.out.println(a+b);

    }
}
```

Run application using

```
java Demo2 10 hello
```

Identify possible exception to be handled in the program:

Single Choice - Select one correct answer from the options list.

ArrayIndexOutOfBoundsException

NumberFormatException

IllegalArgumentException

None of the above

Q53

```
class Alpha {
    public static void main(String[] args) {
        try {
            int x = args[0]/args[1];
        } catch (NullPointerException nullEx) {
            System.out.print("x");
        } catch (Exception ex) { System.out.print("y");
        } finally {
            System.out.print("z");
        } } }
```

What would be the output of above code fragment if the program executed on command line

as "java Alpha ten 0"?

Single Choice - Select one correct answer from the options list.

x z

Compilation error due to incompatible types used for calculation

An exception is thrown at runtime

yz

Q54

What will be written to the standard output when the following program is run?

```
public class Test {  
    public static void main(String[] args) {  
        String word = "restructure";  
        System.out.println(word.substring(2, 3));  
    }  
}
```

Select the one correct answer.

Single Choice - Select one correct answer from the options list.

est

s

es

str

Q55

```
public static void main(String[] args) {  
    5. try {
```

```
6. if(args.length == 0) throw new Exception();
7. }
8. catch (Exception e) {
9. System.out.print("done ");
10. doStuff(); // assume this method compiles
11. }
12. finally {
13. System.out.println("finally ");
14. }
15. }
```

Which is the output of this code?

Single Choice - Select one correct answer from the options list.

done

finally

done finally

compilation error

no output

Q56

What will be the output of the program?

```
import java.util.*;
class Test
{
public static void main (String[] args)
{
Set hashSet = new HashSet();
hashSet.add(1);
hashSet.add(null);
hashSet.add(null);
hashSet.add("1");
```



```
System.out.println(hashSet);  
}  
}
```

Single Choice - Select one correct answer from the options list.

[null,1,1]

[1,1]

[1]

[1,null,null]

Q57

Given the following class, which statements can be inserted at line (1) will cause the compilation error?

```
public class Test {  
    int a;  
    int b = 0;  
    static int c;  
    public void m() {  
        int d;  
        int e = 0;  
        // (1) INSERT CODE HERE.  
    }  
}
```

Single Choice - Select one correct answer from the options list.

a++

b++

c++

d++

Q58

```

class AllGoesWrong {
public static void main(String[] args) {
AllGoesWrong a = new AllGoesWrong();
try {
a.blowUp();
System.out.println("a");
} catch (IOException e | SQLException e) {
System.out.println("c");
} finally {
System.out.println("d");
}
}
void blowUp() throws IOException, SQLException {
throw new SQLException();
}
}

```

What is the result?

Single Choice - Select one correct answer from the options list.

- ad
- acd
- cd
- compilation error in catch block

Q59

Which of the following is true regarding Class Loader?

- a. check Java programs have been compiled correctly
- b. prevents a class that is loaded off the network from pretending to be one of the standard built-in classes or from servers

c.the byte code will not access private data when they should not
d. implements security for the VM

Single Choice - Select one correct answer from the options list.

option a

option a & b

option b

option c & d

Q60

Which of the following statement is incorrect about anonymous inner class?

Single Choice - Select one correct answer from the options list.

Anonymous inner classes have no name, and their type must be either
a

subclass of the named type or an implementer of the named interface.

Because of polymorphism, the only methods you can call on an
anonymous inner class

reference are those defined in the reference variable class (or
interface), even though

the anonymous class is really a subclass or implementer of the
reference variable type

An anonymous inner class can extend more than one subclass or
implement more than one
interface.

An anonymous inner class is always created as part of a statement;
don't forget to close

the statement after the class definition with a curly brace. This is a rare
case in Java,

a curly brace followed by a semicolon.

Q61

Assuming that there are 5 rows in the ProductDetails table
(COLUMNS: product_id number(10), product_title varchar(30)),

What will be the output of the following Java code?

```
DriverManager.registerDriver (new oracle.jdbc.driver.OracleDriver());  
Connection conn =  
    DriverManager.getConnection (  
        "jdbc:oracle:thin:@10.212.74.18:1521:orcl", "user", "password");  
Statement stmt1=conn.createStatement();  
ResultSet rs=stmt1.executeQuery("SELECT * FROM ProductDetails");  
System.out.println(rs.getInt(1)+" "+rs.getString(2));-----Line 1
```

Single Choice - Select one correct answer from the options list.

Compilation error in the Line 1 as rs.next() is not given before this

SQLException is raised. Because rs.next() is not given in the code

Prints the contents of the first row from the table

SQLException is raised. Because while loop is not given in the code

Q62

Which of the following is not a Functional Interface in java 8?

Single Choice - Select one correct answer from the options list.

Supplier

Consumer

Serializable

Predicate

Q63

Select the true statements about serialization.

Single Choice - Select one correct answer from the options list.

Serialization is a mechanism of saving the state of an object into a file

To persist an object to a file, the object Class properties needs an transient keyword

Serialization is the process of reconstructing the object from the deserialized state

All of the Above

Q64

```
public class Test {  
    public static void main(String[] args)  
    { String name=new String("aravind");  
  
    int position=name.replace('a', '*').substring(2,4).indexOf('i');  
    System.out.println(position);  
    }  
}//end of class
```

What will be the output?

Single Choice - Select one correct answer from the options list.

2

4

0

-1

Q65

Which of the following is an checked Exception in JAVA?

Single Choice - Select one correct answer from the options list.

ClassCastException

SQLException
NullPointerException
ArrayIndexOutOfBoundsException

Q66

```
public class LambdaDemo {  
  
    public static void main(String[] args) {  
        Supplier<String>supplier = ()->"Welcome to Java World";  
        Predicate<String>pred = (str1)->str1.length()>10;  
        System.out.println(pred.test(supplier.get()));}  
    }  
}
```

Single Choice - Select one correct answer from the options list.
True
False
Compilation error
None of the above

Q67

What is the full form of QMS?

Single Choice - Select one correct answer from the options list.
Quality Management System
Quality Manual System
Quality Monitoring System
None of the above

Q68

Non-fulfillment of user's expectations is called as:

Single Choice - Select one correct answer from the options list.
Issue
Defect

Product
Risk

Q69

When are the activities like knowledge transfer , end user training , project signoff carried out?

Single Choice - Select one correct answer from the options list.

- After unit testing
- After acceptance testing
- After system testing
- Before system testing

Q70

Which of the given is an example of non configuration item ?

Single Choice - Select one correct answer from the options list.

- Design document
- Project plan
- Weekly status Reports
- Test case

Q71

Elicitation process is carried under which phase of SDLC model ?

Single Choice - Select one correct answer from the options list.

- Feasibility
- Design
- Requirements
- Coding

Q72

Examine the content of EMPLOYEE table:

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	500	30
7521	WARD	SALESMAN	7698	22-FEB-81	1250	700	30
7566	JONES	MANAGER	7839	02-APR-81	2975		20
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1600	30
7698	BLAKE	MANAGER	7839	01-MAY-81	4000		30
7782	CLARK	MANAGER	7839	09-JUN-81	2450		10
7788	SCOTT	ANALYST	7566	09-DEC-82	3000		20
7839	KING	PRESIDENT		17-NOV-81	5000		10
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	300	30
7876	ADAMS	CLERK	7788	12-JAN-83	2100		20
7900	JAMES	CLERK	7698	03-DEC-81	950	100	30
7902	FORD	ANALYST	7566	03-DEC-81	3000		20
7934	MILLER	CLERK	7782	23-JAN-82	3000		10
7369	SMITH	CLERK	7902	17-DEC-80	800	100	20

Identify the query to display list of employee details(ename, sal and job) who are earning salary

higher than all the minimum salaries based on each job.

Single Choice - Select one correct answer from the options list.

SELECT ename,sal,job FROM employee WHERE sal>

(SELECT min(sal) FROM employee GROUP BY job);

SELECT ename,sal,job FROM employee WHERE sal>ANY

(SELECT min(sal) FROM employee GROUP BY job);

SELECT ename,sal,job FROM employee WHERE sal>ALL

(SELECT min(sal) FROM employee);

SELECT ename,sal,job FROM employee WHERE sal>ALL

(SELECT min(sal) FROM employee GROUP BY job);

Q73

Examine the content of EMPLOYEE table:

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	500	30
7521	WARD	SALESMAN	7698	22-FEB-81	1250	700	30
7566	JONES	MANAGER	7839	02-APR-81	2975		20
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1600	30
7698	BLAKE	MANAGER	7839	01-MAY-81	4000		30
7782	CLARK	MANAGER	7839	09-JUN-81	2450		10
7788	SCOTT	ANALYST	7566	09-DEC-82	3000		20
7839	KING	PRESIDENT		17-NOV-81	5000		10
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	300	30
7876	ADAMS	CLERK	7788	12-JAN-83	2100		20
7900	JAMES	CLERK	7698	03-DEC-81	950	100	30
7902	FORD	ANALYST	7566	03-DEC-81	3000		20
7934	MILLER	CLERK	7782	23-JAN-82	3000		10
7369	SMITH	CLERK	7902	17-DEC-80	800	100	20

Identify the query to display hiredate and number of employees joined in that date in a given department number. Also order the details based on hiredate.

Single Choice - Select one correct answer from the options list.

SELECT hiredate,COUNT(*) FROM employee GROUP BY hiredate ORDER BY 1

SELECT hiredate,COUNT(*) FROM employee WHERE deptno=20 GROUP BY hiredate ORDER BY 1;

SELECT hiredate,COUNT(*) FROM employee WHERE deptno=20 GROUP BY hiredate ORDER BY 0;

SELECT hiredate,COUNT(*) FROM employee GROUP BY hiredate ORDER BY 1 WHERE deptno=20;

Q74

Examine the structure of dept table:

SQL> desc dept;		
Name	Null?	Type
DEPTNO	NOT NULL	NUMBER(4)
DNAME		VARCHAR2(14)
LOC		VARCHAR2(13)

A developer had created department_master table with the similar structure of dept table using the below query:

```
CREATE TABLE department_master AS SELECT * FROM dept WHERE 1=2;
```

Identify the query to copy all records from dept table and insert the same into department_master table.

Single Choice - Select one correct answer from the options list.

INSERT INTO department_master SELECT * FROM dept;

INSERT INTO department_master VALUES SELECT * FROM dept;

INSERT INTO department_master VALUES AS SELECT * FROM dept;

Copying of records from one table and inserting to another table is impossible.

Q75

Which statement(s) is/are true about Procedures?

- i. Parameter with IN mode is used to pass values to the procedure.
- ii. Parameter with OUT mode is used to return values to the caller.
- iii. Parameter with IN OUT mode is used to pass initial values to the procedure and return updated values to the caller.
- iv. Formal parameter should be assigned a value, if parameter mode is IN OUT.

Single Choice - Select one correct answer from the options list.

Statement i and ii are true

Statement ii and iii are true

Statement iii and iv are true

All the statements are true

Q76

Analyze the below given HTML code and identify how many radio buttons are allowed to be selected?

```
<input type="radio" name="r" value="Business"/>Business  
<input type="radio" name="g" value="Employee - Private
```

```
Sector"/>Employee - Private Sector
```

```
<input type="radio" name="b" value="Employee - Public
```

```
Sector"/>Employee - Public Sector
```

Single Choice - Select one correct answer from the options list.

0

1

2

3

Q77

Which of the following can be used to select HTML elements based on value of their name attributes?

Single Choice - Select one correct answer from the options list.

getElementByName()

getElementsByName()

getElementById()

getElement()

Q78

Choose the correct style example of ID selector?

Single Choice - Select one correct answer from the options list.

```
p {
```

```
text-align: center;
```

```
color: red;
```

```
}
```

```
#para1 {  
text-align: center;  
color: red;  
}
```

```
.center {  
text-align: center;  
color: red;  
}
```

```
h1, h2, p {  
text-align: center;  
color: red;  
}
```

Q79

Identify the properties of Document Object?

- a) anchors[]
- b) forms[]
- c) img[]
- d) links[]

Single Choice - Select one correct answer from the options list.

- a and b only
- a,b and d
- a alone
- b and d

Q80

What happens if moveTo(x,y) method is called on window object in JavaScript ?

Single Choice - Select one correct answer from the options list.

Current window will be move to the coordinate specified by x and y.

Current window will be move by x and y value.

Moves window to a new frame.

Window will disappear in background.