

301) which of the given options is not a part of SRS document

- a.Functional requirement
- b.Non Functional Requirements
- c.implementation Details
- d.Hardware/Software Specialications

302) can abstract is to be refered from a specific location in an array,the array has to be

- a.traversed from the first position until the element is found
- b.sorted in ascending order and compared with each element
- c.traversed from the last position to first until the element is found
- d.sorted in descending order and compared with each element

303) choose the data control Language commands?

- a. COMMIT
- b.GRANT
- c.ROLLBACK
- d. REVOKE

305) If u create a New READ ONLY option , It can only be viewed and not updated .State true/false

- a.true
- b.false

312)Choose the correct code which displays the output as,

- a. startprogram
- echo"enter the number"

read n

```

for((i=1,i<n-1,i++))
do for ((j=1,j<j++))
do
echo -e"Si c"
done
echo**
done
endprogram

```

```

b. . startprogram
echo"enter the number"
read n
for((i=1,i<n,i++))
do for ((j=0,j<=1,j<j++))
do
echo -e"Si c"
done
echo**
done
endprogram

```

313) carefully read the question and answer accordingly. efficiency of an algorithm is based on the CPU usage, disk usage and network usage, state true and false

- a. true b. false

316) what will be code to create a tool box which accepts only 4 digit

- a. `<input type="text" name="pin" pattern="[0-9]{4}">`
- b. `<input type="text" name="pin" pattern="[0-9]4">`
- c. `<input type="text" name="pin" pattern="[0-9]/4">`
- d. `<input type="text" name="pin" pattern="{4}-{0-9}">`

321) which of the given options is true with respect to linked lists, when compared to arrays?

- a. Linked lists are dynamic in size
- b. random access is possible in linked list
- c. insertion and deletions are expensive in linked list
- d. all the options

351) consider the file "sample.txt" which has following content

(Content is blur)

Choose the best option:

1. Sed "/Peter/Puppy/" sample.txt
2. Sed 's/Peter/Puppy/g' sample.txt
3. Sed Peter Puppy sample.txt
4. Sed 'Peter' 'Puppy' sample.txt

Correct Option: Sed 's/Peter/Puppy/g' sample.txt

352) Consider the following CSS code snippet

(Content is blur)

Choose the best option:

- 1.Black colour
- 2.Grey colour
- 3.Fully transparent
- 4.Fully opaque

Correct Option: Fully transparent

353) Consider the following code snippet

(Content is blur)

- 1.From High
- 2.From Low
- 3.High Low
- 4.Compile Time Error

Correct Option: Compile Time Error

354)which schema is used to identify the default namespace

- 1.target Name space
- 2.xmlns
- 3.elementFormDefault
- 4.version

Correct Option: xmlns

355) Consider the following code snippet

(Content missed)

- 1.select to_char(report_date,'Mon')as MONTH,status

From AQI_DELHI;

Endprogram

2. select to_char(report_date,'MON') as MONTH,status

From AQI_DELHI;

Endprogram

3. select to_char(report_date,'mon') as MONTH,status

From AQI_DELHI;

Endprogram

4. select to_char(report_date,'Month') as MONTH,status

From AQI_DELHI;

Endprogram

Correct option: select to_char(report_date,'MON') as MONTH,status

From AQI_DELHI;

Endprogram

356) Choose the correct code which displays the output as:

1

22

333

1.Start program

Echo "Enter the number"

Read n

For(i=0;i<n-1;i++)

Do for((j=1;j<l;j++))

Do

Echo -e ""

Done

Echo**

Done

Endprogram

2.Start program

Echo "Enter the number"

```

Read n
For(i=0;i<=n;i++)
Do for((j=1;j<=i;j++))
Do
Echo -e ""
Done
Echo**
Done
endprogram

```

Correct Option: (correct option is not listed in sheet)

357) Efficiency of an algorithm is based on the CPU ,Memory Usage, Disc usage and network usage. State true or false?

1. True
2. False

Correct Option: (Not listed in sheet)

358) JavaScript (What will be returned by the following code snippet)

```

Start program
Document Write(new Date().getMonth());
Endprogram

```

1. Month as number from 0 to 11 format
2. Month as number from 1 to 12 format
3. Month as String from Jan to Dec format
4. Month as String from January to December format

Correct Answer: Month as number from 0 to 11 format

359) What's the location name and the corresponding description:

(Content blur)

1. 1-D, 2-C, 3-B, 4-A
2. 1-D, 2-B, 3-C, 4-A
3. 1-D, 2-B, 3-A, 4-C
4. 1-A, 2-B, 3-C, 4-D

Correct Option: 1-A, 2-B, 3-C, 4-D

360) What will be the code to create a text which accepts only 4 digit number

- 1.<input type="Text" name="Pin" pattern="[0-9](4)">
2. <input type="Text" name="Pin" pattern="[0-9]4">
3. <input type="Text" name="Pin" pattern="[0-9]/4">
4. <input type="Text" name="Pin" pattern="{4}-{0-9}">

Correct Option:<input type="Text" name="Pin" pattern="[0-9](4)">

361)Predict the output

(Some content missing)

```
Public static void main(String[] args){  
New TestMain("HighLow");  
System.out.println("");  
}
```

- 1.From High
- 2.From low
- 3.High Low
- 4.Compile Time Error

Correct Option: (Not listed)

362)(Question is blurred)

- 1.r1 E2 TestMain b1 b2 E1 r2 M1
2. r1 E2 TestMain E1 r2 M1
- 3.r1 E2 b1 b2 E1 r2 M1
- 4.TestMainb1 b2 E1 r2 M1

Correct option: r1 E2 TestMain b1 b2 E1 r2 M1

363)(Question blurred)

- 1.print 434
- 2.print 4321
- 3.print 343
- 4.print 321

Correct option:

364)In html which of the following can be parent tag for <figcaption> element?

Tag1:<fg>

Tag2:<code>

Tag3:<Caption>

Correct Answer:Tag1 only

365)which of the given options are true with respect to linked lists, when compared to arrays

- 1.Linked lists are dynamic in size
- 2.Random access is possible in linked list
- 3.Insertion and deletions are expensive in linked list
- 4.All the options

Correct option: Linked lists are dynamic in size

366)which is true about class?

Correct answer: Class is described using attributes and methods.

368)Question blur

1.422

2.Compile time error

3.810

4.812

Correct option: Compile time error

367) White box testers should require the working knowledge of the code being tested

Correct Option: true

368) Which helps the departmental requirements are clear but requirements are not stable which software development model suitable for this scenario?

Correct answer: Prototype model

368) constants ensures _____ and _____ in database

Correct answer: Correctness , Reliability

369)Consider the following structure:

Customer(address, city, country)

- 1.select * from customer where city in('Hyderabad','Delhi');
2. select * from customer where city <>('Hyderabad','Delhi');
3. select * from customer where city not in('Hyderabad','Delhi');
4. select * from customer where city <>'Hyderabad' and city <>'Delhi';

370) A not null column cannot created at table be considered during table creation

Correct option:

371) which of the following method is used to convert date from one format to other?

1.to_Char();

2.to_Date();

3.convert();

4.default();

Correct option:

372) what is listed using following command:

\$Chap(*1-4)

1.Chap4

2.chap6

3.chap7

4.chap3

Correct option:

377) A not null column cannot be created at table level during table creation. State true/false.

Ans: False

378) if you create a view WITH READ ONLY option, it can only be viewed and not updated. State true/false

Ans: True

379) Predict the output:

```
Startprogram
Class MotorBike
{ int speed(int i)
{
i/=10;
return i;
}}
Class Kawasaki extends MotorBike
{ Int speedup(int i)
{
i*=5;
return speed(i);
}}
Public class MainClass{
Public static void main(String[] args){
Kawasaki kobj= new Kawasaki();
System.out.println(kObj.speedUp(65));
```

Ans: 32.5

381) Which of the given options are used to calculate the running time completely of an algorithm?

Ans: Asymptotic Notation

383) Consider the following tables Department(department_id varchar2(10), department_name varchar2(25), division varchar2(15) and Employee(employee_id varchar2(10), employee_name varchar2(25), address varchar2(25), department_id varchar2(10))

Choose a query which will display the department name which have the maximum number of employees?

Ans:

384) Amaze Agencies, Customers can apply for loan. To apply loan the customers should get registered first then apply for the loan. The admin will approve the loan and then the loan will be issued to the customer.

Identify the classes in above scenario.

Ans: Customer, Loan, Register.

385) When an exception occurs in a method, the method create a object for that exception. To handle the exception, it is given to the run time system. The run time system searches for all the methods in call stack, if it cannot find the appropriate handler then it hands over the object to?

Ans: NoSuchElementException

386) Agile methodology accepts change of requirements at any stage. True/False.

Ans: 1(true)

387) Consider the file “sample.txt” which has following content,

Peter piper picked a peck of pickledpeppers

A peck of pickle peppers peter piper pickled

if peter piper pickled a peck of pickled pepper

Where is the peck of pickled peppers?

Which is the command to replace peter as puppy?

Ans: sed > PeterPuppy', ' sample.txt

389) The following XML fragment is legal.

Startprogram<2020SalesReport>

<income>1000000</income>

<profit>500000</profit>

</2020SalesReport>

Endprogram

Ans: True

390) In which of the given data structure, does the implementation becomes difficult?

Ans: Graph

391) What is the output of the query: startprogram

Select substr(“Stay home! Stay safe!!”,1)from dual;

End program

Ans: Stay home! Stay safe!

394) Predict the output:

Startprogram

```

Public class Main{
Public static void main (string[]args){
Stringa[]=new string[-9/-4];
Int b=a.length;
System.out.print(new
String[]("Harley","Aprilla","Kawasaki","Triumph","Guzz")[0]);
}}endprogram

```

Ans: null

395)In HTML, base tag should be used inside the head section only.

Ans: True

398) "How to do" aspects is converted in a SRS document.State true/False.

Ans:0(False)

399) What will happen if you attempt to compile and run the following code?

```

Startprogram
Integer i=new Integer(-5);
Double d=new Double(new Integer(-6));
System.out.println(i%d);
Short no=4;
System.out.println((no-i)*d);
Endprogram

```

Ans: -5.0 , 54.0

q).....Required for an element in the XSD

options: -use

-required

-Needed --correct answer

-mandatory

q) Match the metacharacters with the respective types

1)? * [] [!]	A)Positional Parameters
2)> >> < <<	B)Filename substitution
3): () & &&	C)I/O Redirection
4) \$1 to \$9	D)Process Execution

Options) – 1-A,2-B,3-C,4-D

-1-D,2-A,3-B,4-C

-1-D,2-B,3-C,4-A

-1-D,2-C,3-B,4-A -- CORRECT ANSWER

Q) Arrange the given lines in correct order to make an executable query

Consider the table structures Employee(employee_id varchar2(10),employee_name varchar2(15),address varchar2(20)) and Attendance(sno number,Date date,employee_id varchar2(10))

Write a query to display employee id,employee name and the number of working days for each

Employee number of working days are calculated based on their attendance.

Correct query ANSWER: 732648915

SELECT E.EMPLOYEE_ID,EMPLOYEE_NAME

NVL(COUNT(A.NO)) AS NO_OF_WORKINGDAYS FROM

ATTENDANCE A

LEFT JOIN

EMPLOYEE E

ON A.EMPLOYEE_ID=E.EMPLOYEE_ID

ORDER BY EMPLOYEE_NAME

GROUP BY E.EMPLOYEE_ID,EMPLOYEE_NAME

;

Correct option: 732648915

Q)which command can be used in vi editor to delete 10 lines?

A) 10 dd

B) 10 x

C) 10 r

D) 10 d

Answer-A) 10 dd

Q) what is an identity of an object ?

A) Is the property that uniquely differentiates one object from..

B) is the id given to the object by its class

C) is the state of an object

D) Is the behaviour of the object

Answer-A) Is the property that uniquely differentiates one object from..

Q) Which option can be used to perform a forward search of string in the vi editor ?

A) /string

B) ?string

C) /find

D) ?find

Answer- B) ?string

Q) Predict the Output

```
Import java.util.Iterator;  
Import java.util.Set;  
Import java.util.TreeSet;  
Class TestMain()  
{  
    Public static void main(String[] args)  
    {  
        checkTest();  
    }  
    public static void checkTest(){  
        Set set = new TreeSet();  
        Set.add("A");  
        Set.add(3);  
        Set.add("B");  
        Iterator it = set.iterator();  
        While (it.hasNext())  
            System.out.println(it.next() + " ");  
    }  
}
```

A) A 3 B

B) A B

C) 3

D) A followed by an exception

E) An exception is thrown at runtime

Answer- E) An exception is thrown at runtime

Q) Predict the output

Startprogram

```
Import java.util.ArrayList;
```

```
Import java.util.List;
```

```
Public class TestUserMain {
```

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

```
List<Number> l1 = new ArrayList<Number>();
```

```
l1.add(5);
```

```
l1.add(5);
```

```
System.out.println(sum(l1));
```

```
}
```

```
Public static double sum(List<Number> l) {
```

```
Double sum=0;
```

```
For (Number l : l)
```

```
Sum += i.doubleValue();
```

```
Return sum;
```

```
}
```

Option:

A) -10

B) 10

C) Compile time error

D) Run time Exception

Answer - B) 10

Q) class TestMain {
 Public static void main(String args) {
 Check();
 Check(10);
 Check(10,20);
 }
 //insert code here

Which of the following statement can replace // that will compile without any Errors

Option

- A) static void check(int... checkArgs) {}
- B) static void check(int[] checkArgs) {}
- C) static void check(int... checkArgs, int y) {}
- D) static void check(int checkArgs...) {}

Answer: A) static void check(int... checkArgs) {}

q) Match the appropriate option to move cursors in the vi editors

1)l 2)K 3) h 4)b

With

- A)move cursor down one line B) move cursor up one line C) move cursor left one line
- D) move cursor beginning to next word

Answer: 1-A, 2-B, 3-C, 4-D

Q) Roshan is beginner in the learning path of Data structure. Assume asingly linked list of Length 'n' is given. In a worst case scenario, he wants to find out the maximum number of Comparisons required to search for a given element. Help roshan to find out the best option.

Options

- A) log 2 n
- B) n
- C) log 2 n+1
- D) log2 n-1

Answer- B) n

Q) which of these is used to prevent the error: 'ORA- 00937: not a single-group group function' ?

A) use Group by clause

B) Use where clause

C) Use order by clause

D) Use having clause

Answer- A) use Group by clause

Q) which one of the following is the correct output of the code given below.

Startprograme

```
Public class Parent{
```

```
Public static final void displayATMAmount()
```

```
{
```

```
System.out.println("500000");
```

```
}
```

```
}
```

```
Public class child extends parent{
```

```
Public void displayATMAmount()
```

```
{
```

```
System.out.println("600000");
```

```
}
```

```
}
```

```
Public class Main {
```

```
Child c=new child();
```

Option

A) 500000

B) 600000

C) Compile time error

D) Run time error

Answer- C) Compile time error

Q) in which of the given SDLC models, rapid changes are easily incorporated ?

Options

- A) V-Model
- B) Agile Model
- C) Prototyping model
- D) waterfall model

Answer- B) Agile Model

Q) which of the following statements are true with respect to a 'a query with join operation' ?

Option

- A) You must refer to all the column from both tables with the table name or the ..
- B) You must refer to all the column that are common to 2 tables with the table..alias
- C) You must have the column common to 2 tables in the select list
- D) you can sort your result ..

Answer Both(B) and (C)

Q) The types of interaction diagram

Option

- A) sequential
- B) collaboration
- C) Activity
- D) state chart

Answer- Both A and B

Q)choose appropriate option where prototype model is used

- A) for project where requirements are very clear
- B) for project where requirements are unclear
- C) project where lot of risk factors
- D)project with frequent changes

Answer- B) for project where requirements are unclear

Q) .. Allow you to grow or shrink its size and provide indexed access to ... elements but whose methods are not synchronized. State True or False

Options

- A) True
- B) False

Answer- True

Q)which of the following is correct if the xsd is `<xs:element name="bgcolor" type="xs:string" Fixed="green"/>`

Option

- A) `<bgcolor>green</bgcolor>`
- B) `<bgcolor>red</bgcolor>`
- C) `<bgcolor>green<bgcolor>`
- D) `<bgcolor>GREEN</bgcolor>`

Answer- A) `<bgcolor>green</bgcolor>`

Q)A professor class uses the schedule class to display the scheduled classes of the professor for a week. What will be the relationship between the professor and the schedule class ?

Options

- A) Inheritance
- B) Aggregation
- C) composition
- D) Dependency

Answer- D) Dependency

Q) predict the output of the following command

\$ who | tee userlist.txt

Option

- A) The command display the output on the monitor
- B) The command display the output of who in the monitor and userlist.txt
- C) command saves the output in userlist.txt
- D) the command displays the error message

Answer- B) The command display the output of who in the monitor

Q) which attribute is used to reference an xml schema in an xml document

Option

- A) xsl:schemaLocation
- B) xsl:Location
- C) xsd:schemaLocation
- D) xsi:schemaLocation

Answer- A) xsl:schemaLocation

Q) which is not part of HTML5 API

Option

- A) HTML Geolocation
- B) HTML application cache
- C) HTML drag and drop
- D) HTML Geography

Answer- D) HTML Geography

Q) Which of the perform the requirement specification based Testing

Option

- A) White box testing
- B) black box testing
- C) Integration testing
- D) Glass box testing

Answer- B) black box testing

501) Which of the following statements is true with respect to given Oracle query:

startprogram

Create table AQI DELHI 1 as Select from AQI DELHI:

Endprogram

Correct Option : Table AQI DELHI 1" is created with same structure as that of "AQI DELHI table data

502) Which command can be used for navigating 5 pages forward in vi editor?

- a) 5 Cli+1.
- b)5 Ctrl + b
- c)5 C+ a 20 times
- d)5 Ctrl+c 20 times

Correct option: 5 Cli +1

503) A company wants to create a Leave Management System software for its employees Find the classes for Employee Leave Management software. The company wants to maintain its employee's leave information

Correct Option are : Employee , Leave, Company

504) What does an action flow represents in an Activity Diagram?

- a) Transation from one action state to another
- b) Passing of data from one activity to another
- c)Trigger events
- d) flow of priority flows

Correct Option: Transation from one action state to another

505) What is use of DTD in XML Development?

- a) It is required for validating XML documents
- b) for displaying a particular section of XML code
- c) For avoiding name collisions
- d) for giving more control over structure and content

Correct option : It is required for validating XML documents

506) Which is not an attribute of schema element?

- a) Targetnamespace
- b) Xmlns
- c) elementFormDefault
- d) version

correct option: version

507) for developing water plant application the following statements are captured in SRS

- 1) if the water level goes below 20% then the application should raise alarm for immediate action**
- 2) if the water goes below 15% then the application should automatically switch on the power**

Correct option : Contradicting requirement

508) Consider the given problem statement You have to input 100 numbers and find the sum of the 100 numbers and display the sum

Identify which of the given pseudo code snippets would achieve the desired result

A) for count=1 to 100

input number

total total number

next

end for

print total

B) while count < 101

input number

total total number

count count + 1

end while

print total

C) repeat

input number

total total number

count count + 1

until count 100

print total

D) All the options

Correct Option : all the options

509) Consider the query

DELETE FROM departments WHERE department id=50

**ERROR ORA 02292 integrity constraint (HR EMP DEPT FK) violated-child record found
Endprogram**

What does the error convey?

A) You cannot delete a row, if the row's primary key column holds a v foreign key in another table.

B) You cannot delete a row when it has column level constraints

C) You cannot delete a row when it has table level constraints

D) None of the options

Correct Option: You cannot delete a row, if the row's primary key column holds a v foreign key in another table.

510) Carefully read the question and answer accordingly in a Linear search algorithm, if an item be searched in found in the middle of an array then it is said to be

A) best case

B) worst case

C) average case

D) null case

Correct Options - average case

511) which of the following jquery scrip is valid to hide

Correct Option - `$("#p. hideMe. First").hide();`

512) The kernel is the core part of UNIX operating system. Choose 3 tasks achieved by Kernel from the list below

- A) Performs disk operations
- B) Manages VO operations
- C) Performs memory and processes management
- D) Interfaces between user and operating system

Correct Options : A, B, and C

513) Predict the output of below command `grep "Atul employee.txt | echo " not found"`

- A) Searches for Atul and echoes "not found"
- B) Searches for Atul
- C) Searches for Atul and displays
- D) Searched for Atul and echoes not found when not found

Correct Option: Searched for Atul and echoes not found when not found

514) Dave has to store data in a non-linear data type to represent hierarchical relationship between elements. Which data structure should he use for it?

- A) Linked list
- B) stack
- C) queue
- D) Tree

Correct Option - Tree

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

- A) High cohesion and high coupling

- B) High cohesion and low coupling
- C) Low cohesion and high coupling
- D) Low cohesion and low coupling

Correct Options -High cohesion and low coupling

516) predict the output

```
import java.util.*;  
  
public class TestMain {  
  
    public static void main(String[] args) {  
  
        TreeSet<String> tList = new TreeSet<String>();  
        TreeSet<String> sList = new TreeSet<String>();  
  
        tList.add("One"); tList.add("Two");  
  
        Tlist.add("Three");  
  
        tList.add("Four"); tList.add("Five");  
  
        sList (TreeSet) tList.subSet("One", true, "Six", true);  
  
        tList.add("One");  
  
        tList.pollFirst();  
  
        tList.pollFirst(): tList.add("Two");  
  
        System.out.println(tList.size() ""+sList.size());  
    }  
}
```

- A) 31
- B) 53
- C) 50
- D) 30
- E) 41

Correct Option - 31

517) After the development of the online website for banking, the testers found that the application was not user friendly to differently abled people. Identify in which level of testing, the testers would have identified this issue

- A) unit testing
- B) Integration testing
- C) system testing
- D) acceptance testing

Correct option - system testing

518) A team of employees is trying to analyze the root cause of the issues identified for the online Library Mang system. From the given options identify the process that is carried out

- A) coding
- B) testing
- C) analysis
- D) debugging

Correct option - debugging

519) Carefully read the question and answer accordingly in a Linear search searched is found in the middle of an array then it is said to be

Correct option - Average

520) What is the complexity of the given code

```
void cou(int m) {  
    for (a=mv2, a <=m, a++)  
        for (b=1, bm, b = b^2)
```

inf a b. c=0;

Correct option - $O(n \log n)$

521) collect the penalty from stressed in a use case case in Borland Cauale Penalty?

- A) include
- B) extend

- C) exclude
- D) generalization

Correct Option - extend

522) in terms of a Banking application, customers are the only stakeholders. State True or False

Correct Option - False

523) developing a water plant application the following statements are captured in the SRS For 1) If the water level goes below 20%, then the application should raise an alarm for mediate action II) If the water level goes below 15%, then the application should automatically switch on the power button to fill in water in the tank. Identify the issue with the requirement specified in the SRS

Correct option - contradicting requirement

524) Software which controls radiation equipment for patients is best shut down, it receives bad input for a radiation dosage. This is a best example for

- A) correctness
- B) robustness
- C) verification
- D) validation

Correct option - robustness

525) which of the following program has lowest run time complexity

- A) tower of Hanoi
- B) sum of n digits
- C) find even or odd
- D) fibronchi series

Correct option - sum of n digits

601. A professor class uses the schedule class to display the scheduled classes of the professor for a week.what will be the relationship between the professor and the schedule class?

ANS: DEPENDENCY

602. Roshan is a beginner in the learning path of data structure.assume,a singly linked list of length 'n' is given. In a worst case scenario, he wants to find out the maximum number of comparisons required to search for a given element. Help roshan to find out the best option.

ANS: a

603.predict the output of the following command \$who |tee userlist.txt

ANS: The command displays the output of who in the monitor and userlist.txt

604.which attribute is used to reference an xml scheme in an xml document

ANS: xsi:schemaLocation

605.match the metalcharacters with the respective types:

1)?*[] [!]	A)positional parameters
2)> >> < <<	B)filename substitution
3); () & &&	c)I/O redirection
4)\$1 to \$9	D)process execution

ANS : 1-D,2-C,3-B,4-A

606.which is not part of HTML5 API

ANS: HTML Geography

607.which of the given options perform requirement specification based testing ?

ANS :Black box testing

608. identify the correct css representation for a paragraph

ANS: `p {padding: 25px;}`

609. which attribute is used to reference an xml schema in an xml document

ANS: `noNamespaceSchemaLocation`

610.

611. which of the following tag is not supported in HTML5 but used in HTML4

ANS: `center`

612. which jquery code is syntactically wrong

ANS:

613. which xsd correctly defines a restriction on voting age element where the value is between 18 and 130.

ANS:

614. What is the syntax for representing the minimum occurrence of an element in XML schema

ANS: `<xsd:element ref="note" minOccurs="0" />`

615. which of the following java script code helps to change the content of the anchor tag?

Start program


```
<script>
Function func(){
//insert the appropriate code from the given options
}
</script>
<a href="#" id="hid1" onclick="func()">click here</a>
End program
```

ANS: document.getElementById("hid1").innerHTML="click"

```
616.try{
Int check = Integer.parseInt("Five");
}
```

From the following options choose all the possible exceptions for the above code

ANS: 1. NumberFormatException
2. IllegalArgumentException

617.the element to specify a list of predefined options for input controls is

ANS: <datalist>

618. which of the following jquery script is valid to hide the first occurred paragraph with the class name a hideMe?

ANS : \$("p.hideMe:first").hide();

619.what is a lifeline in a sequence diagram?

ANS: Objects life time

620.predict the output

```
Class clamper{  
    Private final void amp(){  
        System.out.print("clamper");  
    }  
    Public class clipper extends clamper{  
        Public final void amp(){  
            System.out.println("clipper");  
        }  
        Public static void main(string[] args){  
            New Clipper.amp();  
        }  
    }  
}
```

ANS: compile time error

621.predict the output

```
Class Store{  
    String find(short shops){  
        Return "a few";  
    }  
    String find(short... shops){  
        Return "many";  
    }  
}  
  
Class TestMain{  
    Public static void main(String[] args){
```

```
System.out.print(new Store().find(1));  
System.out.print(new Store().find(1,2));  
}
```

ANS: compile time error

622.zara marketing companywants to keep track of the attendance of its empolyees in all of their branches so that the salary calculation can be done from central office located at banglore.the head office has delegated the work to the branch offices so that they can keep track of the attendance in any manner,be it manual or biometric or swipe cards etc., for the above scenario,identify the correct statements from the given options

ANS: 1.head office is an abstract class

2.both head office and branch office

7th APRIL 2.30 BATCH

1.
Select the valid DTD for the given scenario

Validation regarding multiple number of times is coded within one XML document. Root element is "item"

Ans-<div>start program</div>
<Div><! ELEMENT item (itemno)>

<! ELEMENT itemno (#PCDATA)>

<! ATTLiST itemno partno ID #IMPLIED>

<! ATTLiST itemno price CDATA "open"></div>

<div>end program</div>

2. Which of the following is a document validating language that strictly Follows XML syntax?

Not sure CDATA

3. Choose the best option

Which of the following jquery script is valid to hide the first occurred paragraph with the class name hide?

Ans-\$("p hideMe hide(first)").

4. Choose the best

which of the follong used to reference data thal can act as an abbreviation or can be found at External location?

Ans- ENTITY

5. Which is the default list-style-type of List tags? Ans- disc-bullets

6. following statements true about class selector? Ans- an element can have multiple classes

7. which query is syntactically wrong?

Ans-<script>\$(document).ready(fn(){\$("#flow").click(fn(){\$("#box").slideDown("slow");}})}</script>

8. Following transactions an xml doc to html before it is displayed to any browser?

Ans-CDATA

9. In javascript .what is output of math.round(-21.51)? Ans = -22

10. Identify which is not xml naming rule?

Ans= Elements can start with letters xml

11.The file "tonguetwister.txt" contains the following content how much wood would a woodchuck chuck if a wouldchuck could chuck wood?

ANs= grep -j"wood" tongue twister txt

12. <div>Match the meta characters with respective
</div>

types</div> Code words- "cellpadding" "cellspacing"

Ans= <div> 1-a, 2-b, 3-c 4-d

13. The product table has following structure :

PRD_ID NUMBER<PRD_NAME VARCHAR2

Ans= SELECT PRD_NAME FROM PRODUCT WHERE QUANTITY>1000

14. MAtch following date command

Consider todays date is 22nd April 2020

1) date+%b 2)date+%D 3) date+%F 4) date+%H with a)apr b)04/22/20 c) 2020-04-22 d) 05

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

15. Choose executable query to display contact_details by concatenating mail_id and phone number of employees

Ans= SELECT concat(concat(mailid_id' ')phone_number) as contact_details FROM employee

16. Central Pollution control board published data pertaining to the Air Quality

Index Table name- AQI_DELHI

Ans=Update with CASE statement

17. Which Query displays the details from student table whose name starts with "s"?

Ans= select * from student where name like's%'

18. what is correct command to list all lines from file

"student.txt" Ans= grep -v\\$ " employee txt

19. Choose options which are true with respect to views in SQL?

Ans= View is a virtual table that does not physically exist

Views are used for maintaining logical data independence

View is a database objects that physically exist

20. The kernel is core part of UNIX operating

system. Ans= Performs disk operations

Manages I/O operations

Performs memory and processes management

21. A user has logged in to your system from remote location. How will you identify

His ip address?

Ans=ifconfig

22. statement: for logically cohesive module, some activities implemented. Activities are preferred from inside module itself

Ans=The activities are selected from outside the module

23. In postpone mail, mirchi fm has arranged for a thriller

game 1)get a no from user

2)greater then

3)else if lesser then

4) print"enter safe house"

Ans= 5-1-2-4-3

24Agile testing is a combination of__testing

Ans=iterative and incremental

25) agile testing is combination of?

Correct option: iterative and incremental

26) manual execution of the steps in the algorithm is called as dry run (true/false)

Correct ans: true

27) manual execution of steps in an algorithm is called as-----

Correct ans : quick run

28) find the greatest of three numbers

Correct ans: step 1: start

Step 2: declare variables a,b,and c

Step 3: read variables a,b,and c

Step 4: if a>b

 If a>c

 Display a is largest number

 Else

 Display c is largest number

 Else if b>c

 Display b is largest number

 Else

 Display c is the greatest number

Step 5:stop

29) which of the given examples are real time examples for graph data structure?

Correct ans: google maps, facebook

30) A team is allocated with a new project all their work needs to be accessed and updated in the same

Repository which of the following given options would help them achieve this

Correct ans: software config management

31) which of the following program has the lowest runtime complexity?

Correct ans: fibnocci series

32) <div>which of the following is more efficient in terms of memory utilization and execution speed</div>

Correct ans: `<div>iteration</div>`

33) software which controls radiation equipment for patients is been shut down, if it recives bad input for a radiation dosage this is bad example for-----

Correct ans: `Robustness`

34) choose the correct list where we cannot apply binary search algorithm

Correct ans: `sorted linked list`

35) which of the following principle is used to add and remove node from a queue

Correct ans: `first-in-first-out`

36) predict the program

Start program

```
import java.util.LinkedHastSet;  
import java.util.set;  
public class TestMain{  
    public static void main (String[] args) {  
        Set s1=new LinkedHastSet();  
        s1.add("One");  
        s1.add(1);  
        s1.add(null);  
        s1.add(3.4f);  
        s1.add("null");  
        System.out.println(s1);  
    }  
}
```

End program

Correct ans: `[one,1,null,3.4,null]`

37) which one of the following is correct output of given code

Start program

```
public class Parent{
```

```

public static final void displayATMAMOUNT()
{
    System.out.println("500000");
}
}

public class child extends Parent{
    public void displayATMAMOUNT
    {
        System.out.println("600000");
    }
}

public static void main (String[] args) {
    child c=new child();
    c.displayATMAMOUNT();
}

```

Correct ans: run time error

38) A customer can have multiple loans in a bank what is multiplicity between customer and bank

Correct ans: 1*

39) predict the output

Start program

```

import java.util.Arrays;
import java.util.Comparator;
class Test implements comparator<integer>{
    public int compare(integer o1,integer o2)
    {
        return o1.compareto(o2);
    }
}

public class TestUserMain{

```



```

public static void main (String[] args) {
    integer intArr[]={3,8,1};
    Array.sort(intArr,new Test());
    for(int intArr)
    System.out.print(i+"");
}
}
end program

```

correct option: 1 3 8

40) In the city library when a member needs to return a book,the librarian will collect the penalty from The member if the book is returned later than the due date when this is represented in a use case Diagram what is the relationship between the use cases “return book” and “Calculate Penalty”?

Correct option: extend

41) from the below options identify the correct options that best suit for object oriented programming

- i)support code reuse
- ii) exposes data to the entire program
- iii) faster to maintain
- iv) easy trouble shooting

correct option: i) and iii) only

42) predict the output

```

import java.util.ArrayList;
import java.util.List;
public class TestUserMain{
    public static void main (String[] args) {
        List<integer>l1=new ArrayList<integer>();
        l1.add(10);
        l1.add(20);
        l1.remove(10);
        l1.add(10);
    }
}

```

```

        System.out.println(l1.size());
    }
}

```

Correc option: run time exception

43) customer is a part of bank what is the relationship between customer and bank

Correc option: Aggregation

44) predict the output

```

class milon{
    milon(){
    }
    milon(milon m){
        m1=m;
    }
}

milon m1;

public static void main (String[] args) {
    milon m2=new milon();
    milon m3=new milon(m2);
    m3.go();
    milon m4=m3.m1;
    m4.go();
    milon m5=m2.m1;
    m5.go();
}

void go()
{
    System.out.println("hi....");
}

```

Correct option: hi hi followed by exception

45) A company wants to create a leave management system software for its employees find the classes for employee leave management software the company wants to maintain its employee's

Correct option: employee,leave,company

46) <div> java List allows you to grow or shrink its size and provides indexed access to
elements . but whose methods are not synchronized (true/false)</div>

Correct option: <div>false</div>

47) what defines state of an object

Correct option: Attributes

48) try{

```
    int check = Integer.parseInt("Five");
```

```
}
```

From the following options choose all the possible exceptions for the above code

Correct option: NumberFormatException, illegal argument exception

8th APRIL MCQS

27.Consider the given problem statement:

You have to input 100 numbers and find the sum of the 100 numbers and display the process of the sum.

Identify which of the given pseudo code snippets would achieve the desired result.

Correct answer: All the options

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

Correct answer: 1) Array size is fixed 2)The elements of an array can be accessed using index

29.Predict the output of the below SQL query

```
SELECT DISTINCT CITY FROM CUSTOMER;
```

Correct answer: 1) Displays unique cities 2)Displays distinct cities

30.Which command helps you to see the users who are logged in ?

Correct answer: Who

31.UNIX is more commonly used operating system in comparison with other OS.Choose two reason from the below options in support of this statement.

Correct answer:1) It is open Source Software 2) It is highly secure

32.What is the command to redirect the lines which contains the word "Rose" for the file "input.txt" to the file "redirect.txt".

Correct answer: grep Rose input.txt > redirect.txt.

33.Which of the following operations in UNIX can be used for printing the calendar for December 2019?

Correct answer: 1) \$ cal 12 2019

2) \$ cal dec 2019

3) \$ cal December 2019

34.SELECT lot_no "Lot Number",COUNT(*) "Number of Cars Available" FROM cars WHERE model ='Fire' GROUP BY lot_no HAVING COUNT(*) >10 ORDER BY COUNT (*); In the above statement which clause restricts grouped records to be displayed?

Correct answer: HAVING COUNT(*) > 10

26.In prozone mall,Mirchi FM has arranged for a thriller game.Mr.Dave who is the organizer for the event, calls one of the participant and ask him to pick a number.If the participant picks positive

number he has to enter into safe house or if he picks zero or negative number he has to enter into danger house. Write a program to display to which house the participant has to be entered. Given the following algorithm, order the same in the correct sequence.

- 1) Get a number from the user
- 2) If greater then
- 3) Else if lesser then
- 4) Print "Enter the safe House"
- 5) Start

Correct answer: 5-1-2-4-3

24. <div> in terms of a Banking application, customers are the only stakeholder. State true or False. </div>

Correct answer: <div>False</div>

25. John is a poker card player in a casino. The way he arranges his cards as he picks them up one by one is a real time example of which sorting technique?

Correct answer: Insertion Sort

5. Predict the output.

```
Class Apartment{
    Apartment(){
        System.out.print("b ");
    }
    Apartment(String name){
        This();
        System.out.print("Hreeva" +name);
    }
}

Public class TestMain extends Apartment{
    TestMain() {
        System.out.print(" A ");
    }
}
```

```

TestMain(String name){
    This();
    System.out.print("B "+name);
}

Public static void main(String[] args) {
    New TestMain("C ");

```

Correct answer: b A B C

38. select the appropriate query to display month name (in full) as MONTH and status of Air Quality Index from the given table : AQI_DELHI;

Correct answer:

Startprogram

Select to_char(report_date,'Month') as MONTH,status

From AQI_DELHI;

Endprogram

40.<div>Match the metacharacters with the respective types</div>

<div>

<table border="1" cellpadding="1" cellspacing="1" style="width:500px;">

<tbody>

<tr>

<td>1) ? [!]</td>

<td>A) Positional Parameters</td>

</tr>

<tr>

<td>2) > > < <<</td>

<td>B) Filename substitution</td>

</tr>

<tr>

```

<td>3);() & && ||</td>
<td>C)I/O Redirection</td>
</tr>
<tr>
<td>4)$1 to $9</td>
<td>D)Process Execution </td>
</tr>
</body>

```

Correct answer: <div>1-D,2-C,3-B,4-A</div>

42.In javascript,what is the output of Math.round(-21.51)?

Correct answer: -22

41.Identify which is not an XML,Naming Rule.

Correct answer:Element names can start with letters xml

43.Which of the following transforms an XML document to HTML before it is displayed to any browser?

Correct answer:XSLT

45.The aside element is deprecated in HTML 5.State true or false.

Correct answer:True

46.Which of the following tags is used to define a multi_line input field?

Correct answer:datalist

44.<div>which xsd correctly defines a restriction on votingage element where the value is between 18 and 130 </div>

Correct answer:<xs:element name="votingage"><xs:simple Type><xs:restriction type>

<xs:minInclusive="18"/><xs:maxInclusive="130"/></xs....

</xs:element>

1.Given

```
Class TestMain{
```

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

```
Check();  
Check(10);  
Check(10,20)}
```

//Insert code here

Which of the following statement can replace// Insert code here,that will compile without any erros?(choose all that apply.)

Correct answer: static void check(int...checkArgs){}

2.What is sequence diagram focusses on?

Correct answer:Interaction between objects.

3.predict the output.

```
Public class TestMain extends count{  
  
Public static void main(String[] args) {  
  
Short no 1= 10;  
  
System.out.println(addCount(no1,8));  
  
}  
  
}  
  
Class Count{  
  
Int addCount(int x,int y) { return x+y; }  
  
}
```

Correct answer : Compile Time Error

36.Which of the following statements is true with respect to given oracle query:

Startprogram

Create table AQI_DELHI_1 as Select * from AQI_DELHI;

Endprogram

Correct answer: Table "AQI_DELHI_1" is created with same structure as that of "AQI_DELHI" data.

Question:

Predict the output

```
import java.util.Iterator;

import java.util.Set;

import java.util. Tree Set;

class TestMain {

    public static void main(String[] args) {

        check Test();

    }

    public static void check Test() {

        Set set = new TreeSet();

        Set.add("A");

        set.add(3);

        set add("B");

        Iterator it = set.iterator();

        While(it.hasNext())

        System.out.print(it.next()+" ");

    }
```

ANS: An exeception is thrown at runtime

Question:

Which of the following statements are true with respect to “a query with join operator”?

ANS:

-you must refer to the columns that are common to 2 tables with the table name...

-you must have the column common to 2 tables in the select list

Question:

Which query displays the details from the student table whose name starts with 'S'?

ANS: select * from student where name like 'S%';

Question:

From the below options ,Identify the correct options that best suit for Object oriented programming

(i)Supports code reuse

(ii)Exposes data to the entire program

(iii)Easier to Maintain

(iv)Easy troubleshooting

ANS: (i),(iii) only

Question:

Predict the output

startprogram

```
import java.util.ArrayList;
```

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

```
public class TestUserMain {
```

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

```
List<Integer> l1 = new ArrayList<Integer>();
```

```
l1.add(10);
```

```
l1.add(20);
```

```
l1.remove(10);
```

```
l1.add(10);
```

```
System.out.println(l1.size());
```

```
}
```

```
}
```

endprogram

ANS: Run time Exception

Question:

In the City Library when a member needs to return a book, the librarian will collect the penalty from the member if the book is returned later than the due date. When this is represented in a use case diagram, what is the relationship between the use cases "Return Book" and "Calculate Penalty" ?

ANS: extend**Question:**

Say true or false

startprogram

```
public class Main{
```

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

```
String str1="Measure twice";
```

```
String str2="cut once";
```

```
String str3=str1+str2;
```

```
String str4="Measure twice "+"cut once.";
```

```
System.out.println(str3==str4);
```

```
}
```

```
}
```

endprogram

ANS: 0**Question:**

Zara marketing company wants to keep track of the attendance of its employees in all of their branches so that the salary calculation can be done from the Central office located at Bangalore. The head office has delegated the work to the branch offices so that they can keep track of the attendance in any manner, be it manual or biometric or swipe cards etc.,

For the above scenario, identify the correct statements from the given options.

ANS:

- Head office is an abstract class

- Branch office is a concrete class

Question:

Which of the following jQuery script is valid to hide the first occurred paragraph with the class name as hideMe?

Choose one:

ANS: `$(“p.hideMe.hide(first)”);`

Question:

Predict the output

startprogram

```
import java.util.Map;
```

```
import java.util.TreeMap;
```

```
public class TestUserMain {
```

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

```
Map<String, String> m1=new TreeMap<String, String>();
```

```
m1.put("null", null);
```

```
m1.put(null, "Raju");
```

```
System.out.println(m1);
```

```
}
```

```
}
```

endprogram

ANS: Runtime exception

Question:

Choose the query to display the name/names of the country/countries where the people with confirmed cases have least travelled to and sort the result based on the country travelled to, in ascending order.

ANS:

startprogram

```
select country_travelled_to from covid_in_india
```

```
where confirmed_cases = (  
select min(confirmed_cases) from covid_in_india)  
order by country_travelled_to;  
endprogram
```

Question:

Predict the output

```
startprogram  
import java.util.ArrayList;  
public class TestUserMain {  
    public static void main(String[] args) {  
        ArrayList<String> a1 = new ArrayList<String>(5);  
        a1.add("Ten");  
        a1.add("Twenty");  
        a1.add(4, "Fifty");  
        a1.add("Thirty");  
        a1.add("Fourty");  
        System.out.println(a1);  
    }  
}  
endprogram
```

ANS: IndexOutOfBoundsException

Question:

Predict the output

```
public class Singing extends Dancing  
{  
.....
```

ANS: Sare Gama

Question:

Predict the output

```
import java.util.*;

public class TestMain {

    public static void main(String[] args) {

        TreeSet<String> tList = new TreeSet<String>();

        TreeSet<String> sList = new TreeSet<String>();

        tList.add("One");

        tList.add("Two");

        Tlist.add("Three");

        tList.add("Four");

        tList.add("Five");

        List = (TreeSet) tList.subSet("One", true, "Six", true);

        st.add("One");

        .pollFirst();

        .pollFirst();

        dd("Two");

        System.out.println(tList size()+" "+ sList size());

    }
}
```

ANS: 3 1

Question:

Camma Travel management System

needs to update some additional requirements to its existing system. Which type of maintenance does this scenario fall under?

ANS: Perfective maintenance

Question:

Pick the odd one out, with reference to SRS document

ANS: User manual

Question:

After the development of the online website for banking, the testers found that the application was not user friendly to differently abled people. Identify in which level of testing, the testers would have identified this issue

ANS: System Testing

Question:

Software which controls radiation equipment for patients is best shut down, if it receives bad input for a radiation dosage. This is a best example for

ANS: Robustness

Question:

A team of employees is trying to analyze the root cause of the issues identified for the online Library Management system. From the given options identify the process that is carried out

ANS: Debugging

Question:

For developing a water plant application, the following statements are captured in the SRS

i) If the water level goes below 20%, then the application should raise an alarm for immediate action

ii) If the water level goes below 15%, then the application should automatically switch on the power button to fill in water in the tank

Identify the issue with the requirement specified in the SRS

ANS: Contradicting requirement

Question:

Which of the given examples are real time examples for the graph data structures?

ANS:

-Google Maps Platform

-Facebook

Question:

Manual execution of steps in an algorithm is called as

ANS: Dry run

Question:Product of Maximum and minimum no

```
17. Product of Maximum and Minimum no
package sda;
import java.util.*;
public class MaxMinNo {
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the array size:");
        int no=sc.nextInt();
        if(no>2) {
            if(no<11) {
                int arr[]=new int[no];
                System.out.println("Enter the array element:");
                for(int i=0;i<no;i++) {
                    arr[i]=sc.nextInt();
                }
                Arrays.sort(arr);
                System.out.println(arr[0]*arr[no-1]);
            }
            else {
                System.out.println(no+" exceeds limit");
            }
        }
        else {
            System.out.println(no+" is too small");
        }
    }
}
```

ANS:

Question: 1.1...Policy details-premium

1.2..Policy-Enrollment Details.

ANS:

RDBMS IMPORTANT CODES(NOT TESTED)

1.)Select concat(concat(customer_name,'has taken a policy on'),date_of_policy) as Enrollment_details
from customer JOIN Policy using (customer_id)
order by customer_name,date_of_policy;

2.)select policy_id,policy_name,rate_of_interest, bonus_percentage
from policy
where minimum_premium_amount = 1200
order by policy_id;

1) Predict the output

```
Import java.util.*;

Public class TestMain{

    Public static void main(String[] args)

        { TreeSet<String> tList = new

        TreeSet<String>(); TreeSet<String> sList = new

        TreeSet<String>(); tList.add("One");

        tList.add("Two");

        tList.add("Three");

        tList.add("Four");

        tList.add("Five");

        sList=(TreeSet)tList.subSet("One",true,"Six",true);

        tList.add("One");

        tList.pollFirst();

        tList.pollFirst();

        tList.add("Two");

        System.out.println(tList.size()+" "+sList.size());
```

a.31

b.53

c.50

d.30

e.41

2) State true or false

A sequence diagram can represent object interactions arranged in a time sequence. IT will represent only a sequence of the flow but aspects like branching , looping cannot be represented in the sequence diagram

Answer: False

3)Predict the output

Startprogram

```
Import java.util.ArrayList;
```

```
Import java.util.List;
```

```
Public class TestUserMain{
```

```
Public static void main(string[] args)
```

```
{ List<Number>|l= new
```

```
ArrayList<Number>(); |l.add(5);
```

```
|l.add(5);
```

```
System.out.println(sum(|
```

```
l)); }
```

```
Public static double sum(List<Number>|){
```

```
Double sum=0;
```

```
For(number i=|l)
```

```
Sum +=i.doubleValue();
```

```
Return sum;
```

```
}
```

a. -10

b. 10

c. Compile time error

d. Run time Exception

4) Which is not part of HTML5 API

a. HTML Geolocation

b.HTML application cache

c. HTML Drag and Drop

d.HTML Geography

5) Predict the output

Startprogram

```

Import java.util.Map;

Import java.util.TreeMap;

Public class TestUserMain{

Public static void main(String[] args)

{ Map<String,String> m1=new

TreeMap<String,String>(); M1.PUT("null",null);

M1.put(null,"Raju");

System.out.println(m1);

}

```

- a. {null=null}
- b. {null=Raju}
- c. {null=null, null=Raju}
- d. Compile time error
- e. Run time Exception**

6) Carefully read the question and answer accordingly. In a linear search algorithm, if an item to be searched is found in the middle of an array then it is said to be _____.

- a. Best case
- b. Worst case
- c. Average case**
- d. Null case

7) A Professor class uses the Schedule class to display the scheduled classes of the professor for a week. What will be the relationship between the professor and the schedule class?

- a. Inheritance
- b. Aggregation
- c. Composition

d. Dependency

8) Carefully read the question and answer accordingly. To execute the result of the last executed procedure call recursive procedures use stacks. State True or False.

Answer: True

9) Software which controls radiation equipment for patients is best shut down, if it receives bad input for a radiation dosage. This is best example for_____.

a. Correctness

b. Robustness

c. Verification

d. Validation

10) Choose the appropriate option where prototype model is used

a. For Projects where requirements are very clear

b. For projects where requirements are unclear

c. Projects where lot of risk factors needs to be com

d. Projects with frequent changes

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

a. High cohesion and high coupling

b. High cohesion and low coupling

c. Low cohesion and High coupling

d. Low cohesion and low coupling

12) The element to specify a list of predefined options for input controls is

Choose one:

a. <datalist>

b. <source>

c. <embed>

d. <track>

13) $O(n \log n)$ is the best case time complexity of Bubble Sort. State True or False.

Answer: False

14) In many situations .it would be necessary to make a decision before arriving at a conclusion or to go to the next step of processing. Which of the following suits the given description?

a. Conditional statement

b. All of the above

- c. Iterative statement
- d. Sequential statement

15) Predict the output

Step1: Start the Program

Step2: Declare a variable count and set the count as 1

Step3: Print the count

Step4: Increment the count by 1

Step5: Check whether count is greater than or equal to 1. If yes go to step 3. If no go to step 6

Step6: Print the count

Step7: Stop

- a. 1 1
- b. 1 2
- c. 2 1
- d. Loop runs inde**

16) Ram is a Developer. he receives a defect list from the testing team for the code which he developed. He fixes the defects and assigns it back to the test manager/tester. What should be the status of the defect now?

- a. Open
- b. Fixed**
- c. Closed
- d. New

17) Manual execution of steps in an algorithm is called as _____.

- a. Dry run**
- b. Flowchart
- c. Quick run
- d. Pseudocode

18) Unix executables are stored in which path?

- a. /dev
- b. /bin**
- c. /usr

d. /tmp

19) Which of these is used to prevent the error: 'ORA-00937: not a single-group function'?

a. Use Group by clause

b. Use Where Clause

c. Use Order by clause

d. Use having clause

20) A system administrator needs to identify different types of files in the UNIX system. Help him by matching the correct symbols used to identify the file type.

1)-2)|3)b4)c

With

A) RegularFile B) LinkFile C) BlockDeviceFile D) CharacterDeviceFile

a. 1-A,2-B,3-C,4-D

b. 1-D,2-A,3-B,4-C

c. 1-D,2-B,3-C,4-A

d. 1-D,2-C,3-B,4-A

21) In CSS script, which of the following style is used to print a table with double border?

Choose one:

a. Border-style: double;

b. Border-all: double

c. Border-radius: double;

d. Border-type: double;

Answer: border-style: double;

22) Mrs . Nancy has a Pan Card.

What is the cardinality relationship between the entities: Person and Pan Card

a. One to One

b. One to Many

c. Many to One

d. Many to Many

23) In the City Library when a member needs to return a book, the Librarian will collect the penalty from the member if the book is returned later than the due date. When this is represented in a use case diagram, what is the relationship between the use cases "Return Book" and "Calculate Penalty"?

a. Include

b. Extend

- c. Exclude
- d. Generalization
- e. realization

24)

Consider the given array:

E A F B D C

E A F B D C

A E F B D C

A E B F D C

A E B D F C

A E B D C F....So on.

After all consecutive iterations, the array is sorted.

Which sorting technique compares the adjacent data elements and swaps each pair of elements?

- a. Quick sort
- b. Bubble sort**
- c. Merge sort
- d. Heap sort

25) Which key can be used to change the mode from input mode to command mode?

- a. Esc**
- b. Esc+i
- c. Esc+a
- d. Esc+l

26) The standard output of one program can be redirected as standard input to another program using _____

- a) |**
- b) ||
- c) >
- d) <

27) Which of the following statements are true with respect to a query with join operation?

- a) You must refer to all the columns from both tables with
- b) You must refer to the columns that are common to 2 tables**
- c) You must have the column common to 2 tables in the**

d) You can sort your result by a column which is not

28) which concept ensures every change that is made to the artifact can be properly tracked and changed

- a) version control b) Resource Planning c) Testing **d) Review of Artifacts**

29) which of the following statements can sub queries used?

a) SELECT statement and UPDATE statement

b) ALTER statement

c) DELETE statement

d) All of the above

30) UNIX is more commonly used operating system in comparison with other OS. Choose two reasons from the below options in support of this statement.

a) It is Open-Source software

b) It is highly secure

c) it is user friendly

d) Has good graphical user interface

31) Which of the following is more efficient in terms of memory utilization and execution speed?

b) Iteration

a) Recursion

32) Unix executables are stored in which path?

- a) /dev **b) /bin** c) /usr d) /tmp

33) Which of the following options in UNIX can be used for printing the calendar for December 2019?

a) **\$ cal 12 2019**

c) **\$ cal December 2019**

d) \$ calendar 2019

34) In Software Configuration Management _____ Concept is used to control the changes.

a) **Baseline**

b) Process

c) Procedure

d) Audit

35) Which of these have higher precedence the AND operator or the NOT operator?

a) AND

b) **NOT**

c) **Both have equal precedence**

d) None of the above

36) Choose an DDL command which delete all rows from the table and where the deleted data cannot rolled back (Hint: Table structure should not get deleted)?

a) DROP

b) **TRUNCATE**

c) DELETE

d) None of the above

37) Ram is a developer; he receives a defect list from the testing team for the code which he developed. He fixes the defects and assigns it back to the test manager/tester. What should be the status of the defect now?

a) Open

b) **Fixed**

c) Closed

d) New

38) In many situations it would be necessary to make a decision before arriving at a conclusion or to go on to the next step of processing. Which of the following suits the given description?

a) **Conditional statement**
statement

b) All of the above

c) Iterative

d) Sequential statement

39) Which of the following statements is true with respect to given oracle query:

Startprogram

Create table AQI_DELHI_1 as Select 'from AQI_DELHI:

Endprogram

- a) Table "AQI_DELHI_1" is created with same structure as that of AQI_DELHI table's data
- b) The query is erroneous
- c) Table "AQI_DELHI_1" is created with same structure as that of a AQI_DELHI table's data.**

40) Which key can be used to change the mode from input mode to command mode?

- a) Esc**
- b) Esc + i
- c) Esc + a
- d) Esc + I

41) Match the metacharacters with the respective types

1) ^ * []	a) Positional parameters
2) > >> < <<	b) Filename substitution
3) () & &&	c) I/O Redirection
4) \$1 to \$9	d) Process Execution

- a) 1-A, 2-B, 3-C, 4-D
- b) 1-D, 2-A, 3-B, 4-C
- c) 1-D, 2-B, 3-C, 4-A
- d) 1-D, 2-C, 3-B, 4-A**

42) Which command can be used in vi editor to delete 10 lines?

- a) 10 dd**
- b) 10 x
- c) 10 r
- d) 10 d

43) What is an identity of an object?

- a) Is the property that uniquely differentiates one object from another**
- b) Is the id given to the object by its class
- c) is the state of an object
- d) Is the behavior of the object

44) Which option can be used to perform a forward search of string in the vi editor?

- a) **/string** b)?string c) /find d) ?find

45) predict the output

```
Import.java.util.Iterator;
```

```
Import.java.util.Set;
```

```
Import.java.util.TreeSet;
```

```
Class TestMain {
```

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

```
        CheckTest();
```

```
    }
```

```
    Public static void check Test()
```

```
    { Set set = new TreeSet()
```

```
        Set.add("A");
```

```
        Set.add(3);
```

```
        Set.add("B");
```

```
        Iterator it = set.Iterator();
```

```
        While(it.hasNext())
```

```
            System.out.print(it.next() + " ");
```

```
    }
```

- a) A 3 B b) A B c) 3 d) A followed by an
Exception

e) An exception is thrown at runtime

45) Which command can be used in vi editor to delete 10 lines?

- a) **10 dd** b) 10 x c) 10 r d) 10 d

46) Which of the following statements are true with respect to a query with join operation?

- a) You must refer to all the columns from both tables with

b) You must refer to the columns that are common to 2 tables

c) You must have the column common to 2 tables in the

d) You can sort your result by a column which is not

47) which of the following statements can sub queries used?

a) SELECT statement and UPDATE statement

b) ALTER statement

c) DELETE statement

d) All of the above

48) Unix executables are stored in which path?

a) /dev

b) /bin

c) /usr

d) /tmp

49) What is an identity of an object?

a) Is the property that uniquely differentiates one object from another

b) Is the id given to the object by its class

c) is the state of an object

d) Is the behavior of the object

50) In many situations it would be necessary to make a decision before arriving at a conclusion or to go on to the next step of processing. Which of the following suits the given description?

a) Conditional statement

b) All of the above

c) Iterative

d) Sequential statement

101: Consider the given problem statement:

You have to input 100 numbers and find sum of the 100 numbers and display the process of the sum.

Identify which of the given pseudo code snippets would achieve the desired result.

- for count = 1 to 100
 input number
 total=total + number
next
 end for
print total

- while count<101
 input number
 total=total + number
 count=count + 1
end while
print total

- repeat
 input number
 total=total + number
 count=count + 1
until count = 100
print total

- All the above

102: Consider the query:
startprogram

DELETE FROM departments WHERE department_id = 50;

ERROR | ORA-02292. Integrity constraint (HR EMP_DEPT_FK) violated-child record found.

Endprogram

What does the error convey?

- ☒ You cannot delete a row, if the row's primary key column holds a value that is used as a foreign key in another table
- ☐ You cannot delete a row when it has column level constraints
- ☐ You cannot delete a row when it has table level constraints
- ☐ None of the options

103: Carefully read the question and answer accordingly, in a Linear search algorithm, if an item to be searched is found in the middle of an array then it said to be_____.

- ☐ Best Case
- ☐ Worst Case
- ☒ Average Cost
- ☐ Null Case

104: Which of the following fQuery script is valid to hide the first occurred paragraph with the class name as hideMe:?

Choose one

- ☐ \${p.hideMe hide(first)};
- ☐ \${"p.hideMe.first"}hide();
- ☐ \${"p.hideMe.hide(first)};
- ☒ \${"p.hideMe.first"}.hide();

105 The kernel is the core part of UNIX operating system. Choose 3 tasks achieved by Kernel from the list below

- ☒ Performs disk operations
- ☒ Manages I/O operations
- ☒ Performs memory and processes management
- ☐ Interface between user and operating system

106 Predict the Output of below command

Grep "Atul" employee.txt || echo "not found"

- ☐ Searches for Atul and echoes "not found"
- ☐ Searches for Atul

- Searches for Atul and displays
 - Searches for Atul and echoes “not found” when not found
- 107 Dave has to store data in non-linear data type to represent hierarchical relationship between elements. Which data structure should he use for it?
- Linked list
 - Stack
 - Queue
 - Tree
- 108 if you are asked to do a modular Software design, which combination of coupling and cohesion should you use for designing in software?
- High cohesion and high coupling
 - High cohesion and low coupling
 - Low cohesion and high coupling
 - Low cohesion and low coupling
- 109 Predict the output
- ```

Import java.util.*;

Public class TestMain {
 Public static void main(String[] args) {
 TreeSet<String> tList= new TreeSet<String>();
 TreeSet<String> sList= new TreeSet<String>();
 tList.add("One");
 tList.add("Two");
 tList.add("Three");
 tList.add("Four");
 tList.add("Five");
 sList= (TreeSet) tList.subSet("One", true. "Six", true);
 tList.add("One");
 tList.poll First();
 tList.poll First();
 tList.add("Two");
 System.out.println(tList.size()+" "+sList.size());
 }
}

```

- ☒ 3 1
- ☐ 5 3
- ☐ 5 0
- ☐ 4 1

110 After the development of the online website for banking, the testers found that the application was not user friendly to differently abled people. Identify in which level of testing, the testers would identified this issue.

- ☒ Unit Testing
- ☐ Integration Testing
- ☐ System Testing
- ☐ Acceptance Testing

111 a team of employees is trying to analyze the root cause of the issues identified for the online Library Management system. From the given options identify the process that is carried out.

- ☐ Coding
- ☐ Testing
- ☐ Analysis
- ☒ Debugging

112 the element to specify a list of predefined options for input controls is

Choose one:

ANS: datalist

113 the standard output of one program can be redirected as input is another program using.

- ☒ |
- ☐ /
- ☐ !

114 match the appropriate options to move cursors in the vi editor.

1)l 2)k 3)h 4)b

With

- A) Move cursor right
- B) Move cursor up one line
- C) Move cursor lets top of the screen

D) Move cursor to the left one word at a time.

ANS: l-A, k-B,h-C,b-D

115 Given two executable queries

A) select name, address from users where user\_if ----(-  
lower(name)='city union bank')order by name;

b) select name, address from users where user\_if(-----  
lower(name)!='city union bank')order by name;

will both queries produce the same output?

ANS: TRUE

116 which command can be used in vi editor to delete 10 lines?

ANS: 10 dd

117 which of the given options perform requirement specification based testing

ANS: both for "Testing"

118 Consider the scenario. The names in a telephone directory were not in order it took a big time to look up the telephone number of a particular person. Which algorithm would resolve this issue?

ANS: Sorting Algorithm

119 arrow symbols in the flow chart is used to show the process of steps and the relation among them. State True/False

ANS: True

120 predict the output

```
Import java.util.LinkedHashSet;
```

```
Import java.util.Set;
```

```
Public class TestUserMain {
```

```

 Public static void main(String[] args) {
 Set s1=new LinkedHashSet();
 s1.add("One");
 s1.add(1);
 s1.add(null);
 s1.add(3.4f);
 s1.add("null");
 System.out.println(s1);
 }
 }

```

ANS: option A

121: Predict the output

```

Class Apartment{
 Apartment(){
 System.out.println("b");
 }
 Apartment(String name) {
 this();
 System.out.print("Hreeva"+name);
 }
}

public class TestMain extends Apartment {
 TestMain() {
 System.out.print("A");
 }
 TestMain(String name) {
 this();
 System.out.print("B"+name);
 }
}

```

```
Public static void main(String[] args) {
 new TestMain("")...... QUESTION INCOMPLETE
```

122 which attribute is used to reference as xml schema in a xml document

- ☒ **xsl.schemaLocation**
- ☐ xsi.Location
- ☐ xsd.schemaLocation
- ☐ xsi=schemaLocation

123 which of the following is more efficient in terms of memory utilization and execution speed?

- ☐ Recursion
- ☒ **Iteration**
- ☐ Sequential
- ☐ Conditional

124 Carefully read the question and answer accordingly. To execute the result of the last executed procedure call recursive procedures use stocks. State true/false

**ANS: True**

125 Choose the executable query to display contact\_details by concatenating mail\_id and the phone number of the employees

Example Table name-employee

| Mail_id                                          | phone_number |
|--------------------------------------------------|--------------|
| <a href="mailto:123@gmail.com">123@gmail.com</a> | 9755567543`  |

Sample output: [123@gmail.com,9755567543](mailto:123@gmail.com) ans:B&C

☐

126 What is use of DTD in xml development?

**ANS: validation**

127 -----Exeptoins for the above code

- ☐ ClassCastException

- IllegalStateException
- **NumberFormatException**
- **IllegalArgumentException**
- ExceptionInitializerError

128    class T---{  
       Public static void main(String[] args){  
       -----  
       -----  
       -----  
       -----}  
       -----  
       }

Which of the following statement can be replaced // insert code here, that will compile without any errors?

- **static void check(int...checkArgs){}**
- static void check(int[]...checkArgs){}
- static void check(int...checkArgs, int y){}
- static void check(int checkArgs...){}
- static void check(int x, int...checkArgs){}

129    What operator is used to prevent the errore: 'ORA-01427:single row sub query returns more than one row?

- Use the ^ operator
- Use the || operator
- Use the CAN EXIST operator
- **Use the IN operator**

130    predict the output

Given two files:

Package A;

Public class One {

```

Int no1 = 50;
Protected int no2 =60;
Public int no3 = 70;
}

Package B;
Import A *;
Public class TestMain1 {
Public static void main(String[] args) {
One o = new One()
System.out.println(""+o.no1)
System.out.println(""+o.no2)
System.out.println(""+o.no3)
}
}

```

-----  
**ANS: CompileTime Error**

131 which of the following options in UNIX can be used for printing the calender for December 2019 ?

- ☐ \$ cal 12 2019
- ☐ \$ cal dec 2019
- ☐ \$ cal December 2019
- ☐ \$calender 2019

132 consider the given array:

E A F B D C

E A F B D C

A E F B D C

A E B F D C

A E B D C F ..... So on.

After all consecutive iterations, the array is sorted.

Which sorting technique compare the adjacent data elements and swaps each pair of elements?

- ☐ Quick sort



- Bubble sort
- Merge sort
- Heap sort

133 which attribute provides a hint in the field before a value is entered by the user?

Choose one:

ANS: Placeholder

134 which of the following is used to reference data that can act as abbreviation or can be found at an exter.---

ANS: ENTITY

135 how is the information hiding provided in Object oriented language?

- Inheritance
- Abstraction
- Access specifiers
- Encapsulation

136 What is the syntax for representing the minimum occurrence of an element in XML Schema?

ANS: `<xsd:element name="component" unbounded">`

137 A Professor class uses the schedule class to display the scheduled classes of the professor for a week. What all be the relationship between the Professor and the Schedule class?

ANS: Dependency

138 \_\_\_\_\_ is an unparsed character data that cannot be parsed by the parser.

ANS: CDATA

139 which jquery syntax hides all the paragraph elements

ANS: `$("p").hide();`

```
$(p)hide();
$(“p”)-hide();
(“p”)hide();
```

140 predict the output

```
class Store {
 String find(short shops) {
 Return “a few”;
 }
 String find(short... shops) {
 Return “many”
 }
}

class TestMain {
 public static void main(String[] args) {
 System.out.print(new Store().find(1));
 System.out.print(new Store().find(1,2));
 }
}
```

ANS **Compile Time Error**

141 Choose the best option(s)

- ☐ public abstract class Class1 implements interface {  
 public abstract void method(String s) {}  
}
- ☒ public abstract class Class1 implements Interface1
- ☐ public class Class1 extends interface1 {  
 public void method(Inter i) {}  
}
- ☐ public class Class1 implements interface1 {

```
public void method(Integer i) {}

}
```

- public classs Class1 implements interface1 {  
     public void method(String i){}  
     public void method(Integer s) {}  
   }

142 a software needs to be developed for a missile application to encrypt and decrypt the incoming messages. Which would be the appropriate life cycle model used to implement the given

- waterfall
- agile
- spiral
- prototyping

143 the following code snippets belongs to\_\_\_\_\_.

```
Int Search(int arr[], int s, int toFind)
{
 Int index, retVal = -1;
 For(index=0; index<s;index++)
 {
 If(toFind==arr[index])
 {
 retVal=index;
 break;
 }
 }
 Return retVal;
}
```

- linear search
- binary search

- merge search
- quick search

144 in which of the given SDLC models, rapid changes are easily incorporated?

- V model
- **Agile Model**
- Prototyping model
- Waterfall model

145 Predict the Output:

Startprogram

Class Report{

Public static void main(String args[]) {

Try {

Throw "pass; //line1

}

catch(String e) {

System.out.println(e). // Line2

}

}

}

endprogram

- Compile Error at Line2 because of argument passed
- Pass
- Null
- **Compiler Error at Line1 because an exception of type string cannot be Evaluated**

146  $O(n \log n)$  is the best case time complexity of Bubble Sort. State True or False

ANS : **FALSE**

- 147 which of the following program has the lowest run-time complexity?
- ☒ Sum of n Digits
  - ☐ Find even or Odd
  - ☐ Fibonacci series
- 148 A team is allocated with a new project. All their work to be accessed and updated in the same repository. Which of the given option would help them achieve this.
- ☒ Software configuration management
  - ☐ Creating a common folder in the server
  - ☐ Creating a common folder local
  - ☐ Using IDE
- 149 \_\_\_\_\_ is used to alter the program flow, when a set of statements need to be executed only if a condition is fulfilled.
- ☒ Conditional statement
  - ☐ Looping statement
  - ☐ Iterative statement
- 150 Select the statements that are true about Persistence.
- ☒ Persistence is a way through which the life time of the object ----- after it terminates
  - ☒ Java uses serialization for object Persistence.
  - ☐ Persistence is a way thorough which the life time of the object is terminated as it terminates
  - ☐ Persistence of object is done by java runtime automatically.

151.SELECT DISTINCT CITY FROM CUSTOMER

correct Option:

- 1) Displays Unique cities
- 2) Displays distinct cities

152.The team is allocated with a new project.All their work needs to be accessed and updated in the same repository.which of the given options would help them achieve this.

correct Option:

- 1) Software Configuration management

153.Predict the output

```
grep "Atul" employee.txt || echo "not found"
```

correct Option:

- 1) Searched for Atul and echos "not found" when

154.Match the following

DDL-CREAT,DROP

DML-SELECT,INSERT

TCL-COMMIT,ROLLBACK

DCL-GRANT,REVOKE

correct Option: 1-A,2-B,3-C,4-D

155.correct Option: REVIEW

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

correct Option:

- 1) High cohesion and low coupling

157.UNIX is more commonly used operating system in comparison with other OS. Choose two reason from the below options in support of this statement.

correct Option:

- 1) It is Open Source
- 2) It is highly secure

158.You must explicitly commit GRANT on Tables. Sate true or False

correct Option:

- 1) True

159.The standard output of one program can be redirected as standard input to another program using\_\_\_\_\_

correct Option:

- 1) | (single pipe symbol)

160.If an element is to be retrieved from a specific location in an array, the array has to be \_\_\_\_\_

correct Option:

1) Inserted from the

161.What is the table containing a foreign key called  
correct Option:

1) Child Table

162.Two modules with more dependency is known as loosely coupled modules and Two  
Modules with less dependency is known as uncoupled modules. State True/False.  
correct Option:

1) TRUE

163.White box testers should require the working knowledge of the code being tested  
correct Option:

1) TRUE

```
164.Import java.util.*;
public class TestMain{

 Public static void main(String[] args){

 String[] str={"Banana","Apple","Watermelon","Mango"};
 sortFruit 0=new sortFruit();
 Arrays.sort(str,o);
 for(String s: str)
 System.out.print(s+" ");

 System.out.println(Arrays.binarySearch(str,"map"));

 static class sortFruit implements Comparator<String>{
 public int compare(String str1,Sring str2);
 return Str2.compareTo(str1);
 }
 }}
correct Option: A
```

165.Carefully read the question and answer accordingly. In an array, if an item to be searched is  
found in the last element of the array or not found in the array then it is aid to be\_\_\_\_\_.

Correct Option: Worst Case

166.Which of the following is more efficient in terms of memory utilization speed  
correct option: Iteration

```
167.Class cat extends Mammal{
 String name="cat";
 String makeNoise(){
 return "Moew";
 }
}

public class testMain{
 public static void main(String[] args){
 new TestMain().go();
 }
}
```

```

void go(){
Mammal m=new cat();
System.out.println(m.name+m.makeNoise());
}
}

```

correct option: **A(cat Moew)**

168.Root is the super user in Unix operating system and represented using\_\_\_\_\_

correct option: **/**

169.When constructing looping statements ,if the iteration condition is not terminated ,it will result in infinite loop. State True/false

correct option: **TRUE**

170.What is the command to concatenate fname and lname with a space in between and display the output under the heading of "Full Name"?

Employee(eid,fname,lname,salary)

correct option: **select fname || ' ' || lname as 'Full Name' from employee;**  
**select fname || ' ' || lname 'Full Name' from employee;**

171.FULL OUTER JOIN is a combination of Which ?

correct option: **Review**

**172.**Consider the following table structure and write a query to display all the employees who have and don't have department id assigned

Emp(fname,lname,dno)

Dept(deptid,dname)

correct option:**1) SELECT FNAME,DEPTID,DNAME FROM EMP E LEFT OUTER JOIN DEPT D  
ON (E.DNO=D.DEPTID);**  
**2) SELECT FNAME,DEPTID,DNAME FROM EMP E FULL OUTER JOIN DEPT D  
ON(E.DNO=D.DEPTID);**

173.Correct option: **Review of Artifacts**

174.Which option can be used to perform a forward search of string in the vi editor?

correct option:

175.Which of the following is correct if the xsd is <xs:element name="bgcolor" type="xs:string" fixed="green"/>

correct option: **<bgcolor> green</bgcolor>**

176.Which command can be used for navigating 5 pages forward

correct option: **5 Ctrl+f**

177.which of the given phases consume more time during software life cycle

correct option: **Maintenance**

178.what is the output of the following code

```

<script> var str="A bag of apples is full of apples";
var pos=str.indexOf("apples");
alert(pos)
</script>

```

correct option: **9**



179. Bonus calculated module was unit tested by the developer. Depending on the salary the bonus needs to be calculated. Assume if one the salary range is between 30000 to 40000 then the bonus should be 10%. From the given options identify the test cases for equivalence partitioning  
correct option: **25000,35000,45000**

180. In javascript, which of the following popup boxes has the cancel button?  
correct option: **Confirm box and Prompt box**

181. Which concept ensures every change that is made to the artifact can be properly changed?  
correct option: **ROA**

182. Predict the output

```
class Clamper{
 private final void amp(){
 System.out.println("Clamper");
 }
}
public class clipper extends Clamper{
 public final void amp(){
 System.out.println("Clipper");
 }
 public static void main(String[] args){
 new Clipper.amp();
 }
}
```

correct option: **CTE (Compile Time Error)**

183. Two tables joined using SELF JOIN are different tables with the same columns  
correct option: **False**

184. Predict the output

```
import java.util.ArrayList;
import java.util.List;
class TestMain{
 public static void main(String[] args){
 //INSERT LIST DECLARATION HERE
 for(int i=0;i<=5;i++){
 List<Integer> row=new ArrayList<Integer>();
 for(int j=0;j<=5;j++){
 row.add(i*j);
 db.add(row);
 }
 for(List<Integer> row:db)
 System.out.println(row);
 }
 }
}
```

Which of the statement can replace //INSERT LIST DECLARATION in above code to compile and run?

correct option: **List<List,Integer> db=new ArrayList<List,Integer>();**

185. Predict the output

```
class BlackVoard{
```

```

short story=200;
BlackBoard write(BlackBoard bb){
 bb=null;
 return bb;
}
public static void main(String args[]){
 BlackBoard b1=new BlackBoard();
 BlackBoard b2=new BlackBoard();
 BlackBoard b1=b1.write(b2);
 b1=null;
 //Objects eligible for GC
}
}

```

When //objects eligible for GC is reached,how many objects are eligible for Garbage Collection?  
correct option: **1**

186.ERD Example

consider the given scenario. A product may or may not have a sale.

A sale can have one or more products.Identify the optionality between the product and sales

correct option: **1...0**

187.What is the complexicity of the given code

```

void cou(int m){
 int a,b,c=0;
 for(a=m/2;a<=m;a++)
 for(b=1;b<=m;b=b*2)
 c++;
}

```

correct option: **( $O(n \log n)$ )**

**201)** Consider the following structure

Customer(custid,custname,address,city,country)

Choose the option display all customers who are not from Hyderabad and delhi?

**Correct option:** `select * from customer where city <> in ("Hyderabad","Delhi");`

`Select * from customer where city <> 'Hyderabad' and city`

**202)**What is an identity of an object?

**Correct option:** `Is the property that uniquely`

**203)**

```
class mammal{
 String name= "Dog";
 String makenoise(){
 return "Bow Wow";
 }
}
class cat extends Mammal{
 String name="Cat";
 String makeNoise()
 {
 return "Meow";
 }
}
public class TestMain{
 public static void main (String[] args) {
 new TestMain.go();
 }
}
```

**Correct option:** `option(A)`

**204)** consider the following css script

```
startprogram
padding 20px,30px;
end program
what is the order of padding property that has two values
```

**Correct option:** `top and bottom,right and left`

**205)** A software needs to be developed for a missile application to encrypt and decrypt the incoming Messages. Which would be the appropriate life cycle model used to implement the given scenario

**Correct option:** spiral

**206)** Carefully read the question and answer accordingly a simple algorithm complexity where as complex algorithm have lower complexity in the needed for computation(true? False)

**Correct option:** true

**207)** Sam and rose are working on the loan monitoring project the head version was checked out By both sam and rose .both of them made their changes in the local machines both of them Made the required changes and updated the same to the server from the given options Identify correct option

**Correct option:** Second projects gets over written by the first one

**208)** Select statements true about persistence

**Correct option:** i) persistence is way through which life time of object exists even after the terminates

ii) Java uses serialisation for object persistence

**209)** which concept ensures every change that is made to the artifact can be changed

**Correct option:** D= ROA

**210)** Specific location in an array the array has to be

**Correct option:** first option (traversed from the first product until)

**211)** which of the given options perform requirement specification based testing

**Correct option:** black box testing

**212)** predict the output

```
Public class TestMain{
 {
 Index=1;
 }
```

```

Int index;

Public static void main(string[] args){
New TestMain().find();
}
Void find(){
Int[][]d = {{7,8,9},{4,5,6},{0,1,2,3}};
System.out.println(d[index++][index++]);
}
}

```

**Correct option:** A=6

**213)** When constructing loop statements,if the iteration condition is not terminated ,it will result in Infinite loop(true?false)

**Correct option:** true

**214)** In which of the given sdlc models,rapid changes are easily incorporated?

**Correct option:** agile model

**215)** carefully read the question and answer according to execute the result of the last executed Procedure call recursive procedure use stacks (true?false)

**Correct option:** true

**216)** predict the output:

```

start program
class TestException extend Exception{

}
class name{
 public static sayName(String name) throws Exception {
 if(name==null){
 throw new TestException();
 }
 return "hello"+name;
 }
}
public class main{
 public static void main (String[] args) {
 Name nameobj=new Name();
 System.out.println(nameobj.sayName("john");
 }
}

```

```
 }
 }
end program
```

**Correct option:** compile time error because main method should throw testexception and not exception

**217)** carefully read the question and answer according to execute the result of last executed  
Procedure call recursive procedures use stack (true/false)

**Correct option:** true

**218)** predict the output

```
public class TestMain extends Animal{
 public static String bark(){
 return "Bow Wow"
 }
 public static void main (String[] args) {
 TestMain=new TestMain();
 Animal s=new Animal();
 System.out.println(t.bark()+" "+s.bark());
 }
}
class Animal{
 public static String bark(){
 return "Roar";
 }
}
```

**Correct option:** Bow Wow Roar

**219)** which xsd correctly defines a restriction on votingage element where the value is between 18 and 130

**Correct option:** option d

```
<xs:element name="votingage"><xs:simple Type><xs:restriction type="
<xs:minInclusive ="18"/><xs:maxInclusive="130"/></xs:.....
</xs:element>
```

**220)** what will be the xsd definition for the following element<age>40</age>?

**Correct option:** <xs:element name="age" type="xs:integer"/>

**221)** A team is allocated with a new project all their work need to be accessed and updated in the Same repository which of the given options would help them achieve this

**Correct option:** software configuration management

**222)** for developing a water plant application the following statements are captured in SRS

1)if the water level goes below 20%,then the applicaton should raise an alarm for immediate action

2) if the water level goes below 15%, then the application shouls automatically switch on the power button to fill in water in the tank

Identify the issue with the requirement specified in the SRS

**Correct option:** contradicting requirements

**223)** predict the output

```
import java.util.*;

public class TestMain{

 public static void main (String[] args) {

 TreeSet<String> tList= new TreeSet<String>();

 TreeSet<String> sList= new TreeSet<String>();

 tList.add("One");
```

```

 tList.add("Two");

 TList.add("Three");

 tList.add("Four");

 tList.add("Five");

 sList=(TreeSet)tList.subset("One".true,"Six",true);

 tList.add("One");

 tlist.pollFirst();

 tlist.pollFirst();

 tList.add("Two");

 System.out.println(tList.size()+" "+sList.size());

 }

}

```

**Correct option: 3 1**

**224)** predict the output

Step 1: start the program

Step 2: declare a variable count and set the count as 1

Step 3: print the count

Step 4: increment the count by 1

Step 5: check whether count is greater than or equal to 1 . if yes goto step 3. If no goto step 6

Step 6: print the count

Step 7:stop

**Correct option: loop runs ind.....**

**225)** predict the output

```

public class TestMain extends Tree{

 public static void main (String[] args) {

```



```

new TestMain().go();
}

void go(){
 grow2(new Tree().new TestMain());
 grow2(TestMain)new tree().nw TestMain());
}

void grow (Tree t1,testmain r1){
 Testmain r2=(Testmain)t1;
 Tree t2=(Tree)r1;
}
}

class Tree{

}

```

**Correct option:** compile time error

**226)** after the development of the online website for banking the tester found that the application was not user friendly to differently abled people . identify in which level of testing , the testers would have identified this issue

**Correct option:** unit testing

**227)** predict the output

```

class car{
 public String name= "mondial";
 public car(){
 System.out.println("Car");
 }
}

public class Ferrari extends Car{

```

```

 public Ferrari(){
 System.out.println("Ferrari");
 }
 void getModel(){
 name="Portfino";
 System.out.println(this.name+""+super.name);
 }
 public static void main (String[] args) {
 new Ferrari().getModel();
 }
}

```

**Correct option:** Car Ferrari Portofino Portofino

**228)** only ans:

Choose best options

**O(nlogn)** is ans

O(n<sup>2</sup>)

O(n<sup>2</sup>logn)

O(logn)

**229)** following code snippet

Start program

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

```
import java.util.ArrayList;
```

```
public class Test{
```

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

```
 List list=new ArrayList(3); //Line 1
```

```
 list.add(7);
```

```

 list.add("D");

 list.add(new Integer(7));

 System.out.println(list);
 }
}

```

Which Is true?

**Correct option:** the output will be[7,D,7]

**230)** select the abilities given by polymorphism to the programming language

**Correct option:** i)static polymorphism is achieved by varying the input parameters

ii)Parent class methods can be overridden by the child class

**231)** predict the output

```

class TestMain{

 public static void main (String[] args) {

 Long x=40L;

 Long y=40L;

 System.out.print(""+8+5+"");

 System.out.print(print()+x+6+"");

 System.out.println(x+y+print());

 }

 static String print(){

 return "Message";

 }

}

```

**Correct option:** 85 Message 406 80Message

**232)** arrow symbols in the flowchart is used to show the sequence of steps and the relationship among them (true/false)

**Correct option:** true

```

233) class TestMain{

 public static void main (String[] args) {

 Map<Tasks, String> m= new HashMap<Tasks, String>();

 Tasks t1 = new Tasks("Jan");

 Tasks t2 = new Tasks("Jan");

 Tasks t3 = new Tasks("Apr");

 m.put(t1,"Design");

 m.put(t2,"Code");

 m.put(t3,"Develop");

 System.out.println(m.size());

 }

}

class Tasks{

 String day;

 Tasks(String d){

 day=d;

 }

 public boolean equals(Object o){

 return((Tasks)o).day==this.day;

 }

}

public int hashCode()

{

 return 0;

}

```

**Correct option: 3**

**234)** unix is more commonly used operating system in comparison with other os ,choose two reasons from the below options in support of this statement.

**Correct option:** i) it is open source software

ii) it is highly secure

**235)** The kernel is the core part of unix operating system .choose 3 tasks achieved by kernel from the list below

**Correct option:** i) perform disk operations

ii)manage i/o operations

iii)perform memory and process management

**236)** unix executables are stored in which path?

**Correct option:** /bin

**237)** Predict output

```
static String a="*";
public static void main (String[] args) {
 new TestMain(.s1());
 System.out.println(a);
}
void s1(){
 try{
 s2();
 } catch(Exception e){
 S += "c";
 }
}
void s2() throws Exception{
 s3();
 s+="2";
 s3();
}
```

```

 s += "2b";
 }

 void s3() throws Exception{
 throw new Exception();
 }

```

**Correct option:** \*c2

**238)** predict output

```

class TestMain{
 int x=50;

 public static void main (String[] args) {
 final TestMain f1= new TestMain();
 TestMain f2 = new TestMain();
 TestMain f3 = isvalid(f1,f2);
 System.out.println(f1==f3)+" "+(f1.x==f3.x));
 }

 static TestMain isvalid(TestMain x,TestMain y){
 final TestMain z=x;
 z.x=60;
 return z;
 }
}

```

**Correct option:** true false

**239)** predict the output

```

import java.util.iterator;
import java.util.set;
import java.util.Treeset;

class TestMain{

 public static void main (String[] args) {
 checkTest();
 }
}

```

```

 }

 public static void checkTest(){
 Set set=new TreeSet();
 set.add("A");
 set.add(3);
 set.add("B");
 iterator it=set.iterator();
 while(it.hasNext())
 System.out.print(it.next()+"");
 }
}

```

**Correct option:** An exception is thrown at runtime

**240)**predict the output

```

import java.util.iterator;

import java.util.set;

import java.util.TreeSet;

class TestMain{

 public static void main (String[] args) {

 checkTest();

 }

 public static void checkTest(){

 Set set=new TreeSet();

 set.add("A");

 set.add(3);

 set.add("B");

 iterator it=set.iterator();

 while(it.hasNext())

 System.out.print(it.next()+"");

 }
}

```

}

**Correct option:** compile time error



**251)predict** the output

```
Class Milon{
 Milon(){
 }
 Milon(Milon m){
 m1=m;
 }
 Milon m1;
 Public static void main(String[] args)
 {
 Milon m2=new Milon();
 Milon m3=new Milon(m2);
 m3.go();
 Milon m4=m3.m1;
 m4.go();
 Milon m5=m2.m1;
 m5.go();
 }
 Void go(){
 System.out.println("hi");
 }
}
```

**Correct answer:hi hi followed by exception**

**252)predict** the output

Startprogram

```

Class Report{
Public static void main(String args[])
{
Try{
Throw"pass"; // line 1
}
Catch(String e){
System.out.println(e); //line2
}
}
}
End program

```

**Correct answer: compiler error at line 1 because an exception**

**253)**A company wants to create a leave management system Software for its employees.find the classes for employee leave management software.the company wants to maintain its employee's leave information.

**Correct answer :Employee**

**Leave**

**Company**

**254)**predict the output

```

Import java.util.iterator;

Import java.util.Set;

Import java.util.treeset;

Calss testmain{

Public static void main(String[] args)

{

```

```

Checktest();

}

Public static void checktest(){

Set set=new treeset();

Set.add("A");

Set.add(3);

Set.add("B");

Iterator it=set.iterator();

While(it.hasNext())

System.out.println(it.next()+"");

}

}

```

**Correct answer: an exception is thrown**

**255)**predict the output

```

Class testmain{

Static String s="*";

}

Public static void main(String[] args)

{ new testmain()s1();

System.out.println(S);

}

Void s1(){

Try{

S2();}

Catch(Exception e){

```

```
S+="c";
```

```
}
```

```
}
```

```
Void s2() throws exception{
```

```
S3();
```

```
S+="2";
```

```
S3();
```

```
}
```

**Correct answer: \*c2**

**256)** Given public abstract interface Interface { public void method(String s);} Which of the following is/are correct class implementation(s).

**Correct answer:**

**public abstract class Class1 implements Interface 1():**

**public class Cles 1 implements interface public void method(String() public void method(Integer s){}**  
**}**

**257)** class TestMain (

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

```
check():
```

```
check(10);
```

```
check(10,20)}
```

insert code here

Which of the following statement can replace // insert code here, that will compile with out any errors? (Choose all that apply)

**Correct answer:**

**Static void check(int..checkargs){}**

**258)** import [java.util.io](http://java.util.io) \*;

```
class Employee{
```

```
class TerapEmp extends Employee {
```

```
class DayEmp extends TempEmp {
```

```

public class TestMain {

ArrayList<TempEmp> getSalary() { //return new ArrayList<TempEmp>():

llreturn new ArrayList<DayEmp>(): lreturn new ArrayList<Object>():

//return new ArrayList<Employee>();
}
}

```

**Correct answer:** return new arraylist<TempEmp>();

**259)** Given to files:

```

package A, int no1 50; }

```

```

public class One (

```

```

protected int no2 = 60;

```

```

public int no3 = 70;
}

```

```

package B;

```

```

import A.

```

```

public class TestMain1 {

```

```

public static void main(String[] args) {

```

```

One o = new One();

```

```

System.out.print(" " + o.no1); System.out.print(" " + o.no2),

```

```

System.out.print(" " + o.no3);
}
}

```

**Correct answer:** compile time error

**260)** which of the following is correct if the the xsd is <xs element name="bgcolor" type="xs string" fixed="green"/>

**Correct answer:** <bgcolor>green</bgcolor>

**261)** Identity which is not an XML Naming Rule

**Correct answer:** Element names can start with letters xml

**262)** Consider the scenario. For an insurance, a customer makes a claim. The claim can be a normal or a critical claim. The insurance company confirms the claim. What diagram can be

used to understand the state changes of the component triggered by events and the dynamic nature

**Correct answer:**state chart diagram

**263)** Which xsd correctly defines a restriction on votingage element where the value is between 18 and 130

**Correct answer:**<xs element name="votingage">xs simple Type> <xs restriction base="xs:integer" minOccurs="1" maxOccurs="1" value="18" type="xs:integer"/> </xs element>

</xs element>

**264)** Which element is used to indicate that elements defined in the xsd must appear in the same order in the xml file

**Correct answer:**<xs:same-order>

**265)** What will be the XSD definition for the following element <age>40</age>

**Correct answer:**

<xs:element name="age" type="xs:integer"/>

**266)** Which attribute of schema element is used to identify the default namespace

**Correct answer:**targetnamespace

**267)** What are the best ways to ensure that a class implements the required behavior

**Correct answer:**user interface

User encapsulation

**268)** Predict the output

```
class Bird {
{

System.out.print("b1");
}

public Bird(){

System.out.print ("b2");
}
```

**Correct answer:**r1 E2 Testman b1 b2 E1 r2 M1

**269)** A doubly linked list cannot be implemented using a single pointer variable in every node

**Correct answer:**

false

**270)** In which of the given data structures is pointers concept applied

Correct answer: linked list  
Binary tree

**271)** consider the following array[12,3,1,5,8] Tell us the number of steps that are required to sort the elements in the ascending order using insertion sort

Correct answer:4

**272)**Which of the following is a checked exception

Correct answer: IOException  
FileNotFoundException

**273)** ZEE-Bay Shopping Cart website has a web page to enter the customer feedback Customers or given the option to enter the feedback in text boxes. To make it more comfortable the Customers were provided with star rating based on which they can click the stars(4 stars, 3 stars etc) and provide feedback about the product purchased. What type of maintenance was carried out to make the changes

Correct answer:Adaptive maintenance

**274)**which of the following applies are false with respect to trees

Correct answer:A tree which does not have any node other than the root node has depth of zero

401> US Insurance project development team members are divided into two groups, one team works in the development office in India and the other group works onsite, ie, at the client location. So Programmers located in different locations is not suitable for methodologies.

**D>DSDM**

402> Which of the following tags are new in HTML5?

Tag 1: <canvas> Tag 2: <footer>

Tag 3: <caption>

Choose one

a>tag 1 and tag 2 only

b>tag2 and tag3 only

**c>tag 1 and tag3 only**

d>tag 1 , tag2 and tag3 only

403>Consider the file staff.dat which has the following content

1:Anu Professor 85000 y

2 Sam Associate Professor 150000 5yrs

3.John Professor 75000 6yrs

4.Suresh Associate Professor 150000 5yrs Which is the command to display the output as follows?

Suresh Associate Professor

Sam Associate Professor

John Professor

Anu Professor

**Option-> A**

404>Which is not a measurement in CSS?

**Option->D**

405>\_\_\_ is the time duration for each sprint

a>2-3 days

b>2-5 hours

**c>2-4 weeks**

d>1 month

406>Which of the following pairs is equivalent to one another?



**Option->C**

407> Match the following

1) INNER JOIN 2) LEFT OUTER JOIN 4) RIGHT OUTER JOIN 5) FULL OUTER JOIN

WITH

A) Returns records that have matching values in both tables  
B) Returns the matched records from the right table, and all records from the left table  
C) Returns the matched records from the left table, and all records from the right table  
D) Returns all records when there is a match in either left or right table

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

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

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

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

408> Predict the output

```
import java.util.*;

public class TestMain{

 public static void main(String[] args){

 TreeSet<String> tList = new TreeSet<String>();
 TreeSet<String> sList = new TreeSet<String>();

 tList.add("One");
 tList.add("Two");
 tList.add("Three");
 tList.add("Four");
 tList.add("Five");

 sList=(TreeSet)tList.subSet("One",true,"Six",true);

 tList.add("One");

 tList.pollFirst();
 tList.pollFirst();

 tList.add("Two");

 System.out.println(tList.size()+" "+sList.size());
```

**a.31**

b.53

c.50

d.30

e.41

409> true or False

A sequence diagram can represent object interactions arranged in a time sequence. It will represent only a sequence of the flow but aspects like branching, looping cannot be represented in the sequence diagram

--->**False**

410> Which is not part of HTML5 API

- a. HTML Geolocation
- b. HTML application cache
- c. HTML Drag and Drop

**d. HTML Geography**

411> Predict the output

Startprogram

Import java.util.Map;

Import java.util.TreeMap;

Public class TestUserMain{

Public static void main(String[] args){

Map<String,String> m1=new TreeMap<String,String>();

M1.PUT("null",null);

M1.put(null,"Raju");

System.out.println(m1);

}

- a. {null=null}
- b. {null=Raju}
- c. {null=null, null=Raju}
- d. Compile time error

**e. Run time Exception**

412> Carefully read the question and answer accordingly. In a linear search algorithm, if an item to be searched is found in the middle of an array then it is said to be \_\_\_\_\_.

- a. Best case
- b. Worst case
- c. Average case**

d. Null case

413> A Professor class uses the Schedule class to display the scheduled classes of the professor for a week. What will be the relationship between the professor and the schedule class?

- a. Inheritance
- b. Aggregation
- c. Composition

**d. Dependency**

414> Carefully read the question and answer accordingly. To execute the result of the last executed procedure call recursive procedures use stacks. State True or False.

**Answer: True**

415> Software which controls radiation equipment for patients is best shut down, if it receives bad input for a radiation dosage. This is best example for\_\_\_\_\_.

a. Correctness

**b. Robustness**

c. Verification

d. Validation

416> Choose the appropriate option where prototype model is used

a. For Projects where requirements are very clear

**b. For projects where requirements are unclear**

c. Projects where lot of risk factors needs to be com

d. Projects with frequent changes

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

a. High cohesion and high coupling

**b. High cohesion and low coupling**

c. Low cohesion and High coupling

d. Low cohesion and low coupling

418> The element to specify a list of predefined options for input controls is

Choose one:

**a. <datalist>**

b. <source>

c. <embed>

d. <track>

419>  $O(n \log n)$  is the best case time complexity of Bubble Sort. State True or False.

**Answer: False**

420> In many situations .it would be necessary to make a decision before arriving at a conclusion or to go to the next step of processing. Which of the following suits the given description?

a. **Conditional statement**

b. All of the above

c. Iterative statement

d. Sequential statement

421> Predict the output

Step1: Start the Program

Step2: Declare a variable count and set the count as 1

Step3: Print the count

Step4: Increment the count by 1

Step5: Check whether count is greater than or equal to 1.If yes go to step 3.If no go to step 6

Step6: Print the count

Step7: Stop

a. 1 1

b. 1 2

c. 2 1

**d. Loop runs inde**

422> Ram is a Developer. he receives a defect list from the testing team for the code which he developed. He fixes the defects and assigns it back to the test manager/tester. What should be the status of the defect now?

a. Open

**b. Fixed**

c. Closed

d. New

423> Manual execution of steps in an algorithm is called as \_\_\_\_\_.

**a. Dry run**

b. Flowchart

c. Quick run

d. Pseudocode

424> Unix executables are stored in which path?

- a. /dev
- b. /bin**
- c. /usr
- d. /tmp

425> Which of these is used to prevent the error: 'ORA-00937:not a single-group function'?

- a. Use Group by clause**
- b. Use Where Cause
- c. Use Order by clause
- d. Use having clause

426> A system administrator needs to identify different types of files in the UNIX system. Help him by matching the correct symbols used to identify the file type.

1)-2)|3)b4)c

With

A) RegularFile B) LinkFile C) BlockDeviceFile D) CharacterDeviceFile

- a. 1-A,2-B,3-C,4-D**
- b. 1-D,2-A,3-B,4-C
- c. 1-D,2-B,3-C,4-A
- d. 1-D,2-C,3-B,4-A

427> In CSS script, which of the following style is used to print a table with double border?

Choose one:

- a. Border-style: double;**
- b. Border-all: double
- c. Border-radius: double;
- d. Border-type: double;

428> Mrs . Nancy has a Pan Card.

What is the cardinality relationship between the entities: Person and Pan Card

- a. One to One**
- b. One to Many
- c. Many to One
- d. Many to Many

429> In the City Library when a member needs to return a book, the Librarian will collect the penalty from the member if the book is returned later than the due date. When this is represented in a use case diagram, what is the relationship between the use cases "Return Book" and "Calculate Penalty"?

- a. Include

- b. Extend**
- c. Exclude
- d. Generalization
- e. realization

430> Consider the given array:

E A F B D C

E A F B D C

A E F B D C

A E B F D C

A E B D F C

A E B D C F....So on.

After all consecutive iterations, the array is sorted.

Which sorting technique compares the adjacent data elements and swaps each pair of elements?

- a. Quick sort
- b. Bubble sort**
- c. Merge sort
- d. Heap sort

431> Which key can be used to change the mode from input mode to command mode?

- a. Esc**
- b. Esc+i
- c. Esc+a
- d. Esc+l

432>) The standard output of one program can be redirected as standard input to another program using \_\_\_\_\_

- a) |**
- b) ||
- c) >
- d) <

433> Which of the following statements are true with respect to a query with join operation?

- a) You must refer to all the columns from both tables with
- b) You must refer to the columns that are common to 2 tables**
- c) You must have the column common to 2 tables in the**
- d) You can sort your result by a column which is not

434> which concept ensures every change that is made to the artifact can be properly tracked and changed

- a) version control**
- b) Resource Planning
- c) Testing
- d) Review of Artifacts

435> which of the following statements can sub queries used?

**a) SELECT statement and UPDATE statement**

b) ALTER statement

**c) DELETE statement**

d) All of the above

436> UNIX is more commonly used operating system in comparison with other OS. Choose two reasons from the below options in support of this statement.

**a) It is Open-Source software**

**b) It is highly secure**

c) it is user friendly

d) Has good graphical user interface

437>

438> Which of the following is more efficient in terms of memory utilization and execution speed?

a) Recursion      **b) Iteration**      c) Sequential      d) Conditional

439>) Unix executables are stored in which path?

a) /dev      **b) /bin**      c) /usr      d) /tmp

440>) Which of the following options in UNIX can be used for printing the calendar for December 2019?

**a) \$ cal 12 2019**      **b) \$ cal dec 2019**

**c) \$ cal December 2019**      d) \$ calendar 2019

441> In Software Configuration Management \_\_\_\_\_ Concept is used to control the changes.

**a) Baseline**      b) Process      c) Procedure      d) Audit

442> Which of these have higher precedence the AND operator or the NOT operator?

a) AND      **b) NOT**      c) Both have equal precedence      d) None of the above

443> Choose an DDL command which delete all rows from the table and where the deleted data cannot rolled back (Hint: Table structure should not get deleted)?

a) DROP      **b) TRUNCATE**      c) DELETE      d) None of the above

444> Ram is a developer; he receives a defect list from the testing team for the code which he developed. He fixes the defects and assigns it back to the test manager/tester. What should be the status of the defect now?

a) Open      **b) Fixed**      c) Closed      d) New

445> Which of the following statements are true with respect to a query with join operation?

a) You must refer to all the columns from both tables with

**b) You must refer to the columns that are common to 2 tables**

**c) You must have the column common to 2 tables in the**

d) You can sort your result by a column which is not

446>) In many situations it would be necessary to make a decision before arriving at a conclusion or to go on to the next step of processing. Which of the following suits the given description?

**a) Conditional statement**  
statement

b) All of the above

c) Iterative

d) Sequential statement

447>) Which of the following statements is true with respect to given oracle query:

Startprogram

Create table AQI\_DELHI\_1 as Select 'from AQI\_DELHI:

Endprogram

a) Table "AQI\_DELHI\_1" is created with same structure as that of AQI\_DELHI table's data

b) The query is erroneous

**c) Table "AQI\_DELHI\_1" is created with same structure as that of a AQI\_DELHI table's data.**

448> Which key can be used to change the mode from input mode to command mode?

**a) Esc**

b) Esc + i

c) Esc + a

d) Esc + I

449> Predict the output

startprogram

import java.util.ArrayList

import java.util.List

public class TestUserMain (

public static void main(String[] args) {

List<Number> 11 = new ArrayList<Number>();

11.add(5);

11.add(5);

System.out.println(sum(11));

}



```
public static double sum(List<Number> l) {
```

```
 double sum = 0; for (Number i: l)
```

```
 sum += i.double Value();
```

```
 return sum;
```

a>-10

**b>10**

c>compile time error

d>run time exception

Q). which attribute is used to reference an xml schema in an xml document?

A) XSI Schema Location

Q). which is not a measurement unit in css?

a). km

Q). which is not part of html5 api?

a) html geography

Q). select name,address from users where user\_id not in (select user\_id from bookingdetails where Lower(name)='city union bank') order by name;

select name,address from users where user\_id in (select user\_id from bookingdetails where Lower(name)!='city union bank') order by name;

Will these queries produce same output?

a) True

Q). choose the query to display the name/names of the country/countries where the name with confirmed cases have least travelled to and sort the result based on the country travelled to,in ascending order.

a) option-D(image not clear)

Q).which of the following statements are true with respect to “a query with join operation”?

a) you must refer to the courses that are...

you must have the courses....

Q) which of the following statements is true with respect to given oracle query

Startprogram

Create table AQI\_DELHI\_1 as select \*from AQI\_DELHI,

Endprogram

a) the query is enormous

Q) choose the queries to display the country travelled to (in upper case) followed by the number of confirmed cases separated by a hyphen .

Ensure that the result is displayed in the ascending order of the number of confirmed cases and the alias name is DESCRIPTION

a). option(A-B)

Q) consider the query ;

Startprogram

DELETE FROM departments WHERE department \_Id=50,

ERROR 1 ORA-02292. Integrity constraint (HR EMP\_DEPT\_FK) violated child program

What is the error convey?

a). you can delete a row

Q). \$ who | tee userlist.txt

a). the command displays the output.....

Q). Which command in vi editor is used to delete 10 lines?

a). 10dd

Q). Agile testing is a combination of \_\_\_\_\_ testing .

a). iterative and incremental

Q).which option can be used to perform a forward search of string in vi editor ?

a). /string

Q).predict the output

While count less than or equal to 5

Print"Hello, world"

Count=count+1

End while

a). 5 times

Q). The kernel is the core part of the unix operating system. Choose 3 tasks achieved by kernel from the list below

a) perform disk operations, manages I/O operations, performs memory and processes management

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

a). array size is fixed

elements of the array accessed using index

Q). Ram is a developer he receives a defects list from testing team.....

a).fixed

Q)The vehicle that comes first to the toll booth leaves the toll booth first .....

a).FIFO

Q). A doubly linked list cannot be represented using a single pointer variable in every node.

a). TRUE

Q). Which of the given data structures , is pointers concept applied.

a). linked list, binary tree

Q).Which of the following options are false with respect to trees

a).a tree with n nodes has exactly n branches and degree

Q).which of the command in unix is used to clearing the screen

a). clear

Q). which of the following is a checked exception?

a) IOException, FileNotFoundException

Q).Which of the given options is not a srs document

a). implementation details

Q). which attribute of schema element is used to identify the default namespace.

a). targetnamespace

Q).which of the following will accept only 4-digit numbers

a).<input type='text' name='pin' pattern="[0-9]{4}'>

**626)** predict the output

```
Class TestMain{
 Int x=50;
 Public static void main(String[] args){
 final TestMain f1 = new TestMain();
 TestMain f2 = new TestMain();
 TestMain f3 = isValid(f1 , f2);
 System.out.println(f1 == f3) + " " + (f1.x == f3.x));
 }
 Static TestMain isValid(TestMain x, TestMain y)
 {
 Final TestMain z=x;
 z.x = 60;
 return z;
 }
}
```

- a. true true
- b. false false
- c. true false
- d. false true

**Correct Answer: false false**

**627)** predict the output

```
start program
import java.util.ArrayList;
public class TestUserMain{
 public static void main(String[] args){
 ArrayList<String> a1 = new ArrayList<String>(5);
 a1.add("Ten");
 a2.add("Twenty");
 a3.add(4, " Fifty");
 a4.add("Thirty");
 a5.add("Fourty");
```

```

 System.out.println(a1);
 }
}

```

Endprogram

- a. `indexOutOfBoundsException`
- b. `[Ten,Twenty,Thirty,Fourty,Fifty]`
- c. `[Ten,Twenty, Fifty, Thirty,Fourty]`
- d. Compile time error

**Correct Answer:** `indexOutOfBoundsException`

**628)** display the contents present inside `<h1>` tag in uppercase. which of the following option will build the requirement

Choose one:

- a. `h1 {text-indent: uppercase;}`
- b. `h1 {text-convert: uppercase;}`
- c. `h1 {text-transform: uppercase;}`
- d. `h1 {text-decoration: uppercase;}`

**Correct Answer:** `h1{text-transform: uppercase;}`

**629)** Choose correct CSS padding property

- a. `p{padding:25px;}`
- b. `p{padding=25px;}`
- c. `p=padding:25px;`
- d. `p padding:25px;`

**Correct Answer:** `p{padding:25px;}`

**630)** which jQuery syntax hides all the paragraph elements

- a. `$("p")_hide();`
- b. `$("p").hide();`
- c. `$("p")-hide();`
- d. `$("p").hide():`

**Correct Answer:** **B**

**631)** Which of the following is the correct syntax to make the background-color of all paragraph elements to yellow?

- a. `p {background-color : yellow;}`

- b. `p {background-color : #yellow;}`
- c. `all {background-color : yellow;}`
- d. `all p {background-color : #yellow;}`

**Correct Answer:** `p {background-color : yellow;}`

**632)** which attribute provides a hint in the field before a value is entered by the user?

- a. file
- b. data
- c. placeholder
- d. hint

**Correct Answer:** placeholder

**633)** which of the following tag is not supported in HTML5 but used in HTML4?

- a. `<hr>`
- b. `<pre>`
- c. `<center>`
- d. `<abbr>`

**Correct Answer:** `<hr>`

**634)** Given the following xml document

```
<studentname>
<first> raveena</first>
<last>dantan</last>
</studentname>
```

What is the correct schema structure for it?

**Answer:** startprogram

```
<xs:schema xmlns:xsd=http://www.w3.org/2001/XMLSchema
<xs:element name="First" type="xs:String"/>
<xs:element name="Last" type="xs:String"/>
<xs:element name="studentname" >
<xs:complexType type>
```

```
<xs:sequence>
<xs:element ref="First"/>
<xs:element ref="Last"/>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:schema>
End program
```

**635)** which of the following is used to reference data that can act as an abbreviation or can be found at an external location?

- a. IDREF
- b. ENTITY
- c. ATTLIST
- d. ID

**Correct Answer:** ENTITY

**636)** The object, which is used to fetch the input from an element for processing is a \_\_\_\_\_

- a. Document
- b. Form
- c. Navigator
- d. Frame

**Correct Answer:** Document

**637)** predict the output

Given two files:

```
Package A;
Public class One{
Int no1=50;
Protected int no2=60;
Public int no3=70;
}
Package B;
```



```

import A.*;
public class TestMain1{
 public static void main(String[] args){
 int o=new One();
 System.out.println(" "+ o.no1);
 System.out.println(" "+ o.no2);
 System.out.println(" "+ o.no3);
 }
}

```

- a. 50 60 70
- b. 50 followed by Exception
- c. Compile time error
- d. 50

**Correct Answer:** Compile time error

**638)** predict the output:

```

Startprogram
import java.util.ArrayList;
import java.util.Iterator;
import java.util.List;
public class TestUserMain{
 public static void main(String[] args){
 List <Double> l1=new ArrayList<Double>();
 for(Double d:l1)
 {
 System.out.println(d);
 l1.add(54.95);
 l2.add(29.32)
 l3.add(45.71)
 System.out.println(l1.size());
 }
 }
}

```

- a. 3
- b. 0 0 4
- c. 4

- d. Compile time error

**Correct Answer:** compile time error

**639)** select the abilities given by polymorphism to the programming language?

- a. Static polymorphism is achieved by varying the input parameters.
- b. Parent class methods can be overridden by the child class.
- c. Static class is given is-a part of relationship.
- d. Given a stronger form of aggregation and composition.

**Correct Answer:** a,b

**640)** say true or false

```
Startprogram
Public class Main{
Public static void main(String[] args){
String str1="Measure twice";
String str2="cut once";
String str3="str1+str2";
String str4="Measure twice"+"cut once";
System.out.println(str3==str4)
}
}
Closeprogram;
```

- a. 1
- b. 0

**Correct Answer:** 1

**641)** predict the output

```
Startprogram
Import java.util.Map;
Import java.util.TreeMap;
Public class TestUserMain{
Public static void main(String[] args){
Map<String,String> mf=new TreeMap<String,String>();
```

```
m1.put(new String("map"), "IDIB 1000");
m2.put("Map", "IDIB 1001");
System.out.println(m1);
}
}
Endprogram
```

- a. {Map=IDIB 1001,map=IDIB 1000}
- b. {map=IDIB 1000,Map=IDIB 1001}
- c. {Map=IDIB 1001}
- d. Compile time error
- e. {map=IDIB 1000}

**Correct Answer:** { map=IDIB 1000,Map=IDIB 1001 }

**642)** A team is allocated with a new project. All their works needs to be accessed and uploaded in the same repository. Which of the given option to help them to achieve This.

- a. Software configuration management
- b. Creating a common folder in the server
- c. Creating a common folder local
- d. Using IDE

**Correct Answer:** Software configuration management

**643)** carefully read the question and answer accordingly. A simple algorithm may have high complexity. whereas a complex algorithm may have lower complexity in the same of time needed for the computation. State true or false

- a. true
- b. false

**Correct Answer:** true

**644)** Agile testing is a combination of \_\_\_\_\_ testing

- a. waterfall and iterative
- b. incremental and v model

- c. spiral and prototype
- d. iterative and incremental

**Correct Answer:** **iterative and incremental**

**645)** Statement : for a logically cohesive module there are some activities to be implemented. these activities are performed from inside the module itself.

Is the above given statement true. if not choose the correct option to make it true.

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

**Correct Answer:** **The activities are selected outside the module.**

**646)** Given the following xml document

```
<studentname>
<first> raveena</first>
<last>dantan</last>
</studentname>
```

What is the correct schema structure for it?

**Answer:** **startprogram**

```
<xs:schema xmlns:xsd=http://www.w3.org/2001/XMLSchema>
<xs:element name="First" type="xs:String"/>
<xs:element name="Last" type="xs:String"/>
<xs:element name="studentname" >
<xs:complexType type>
<xs:sequence>
<xs:element ref="First"/>
<xs:element ref="Last"/>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:schema>
```

End program

647) predict the output

```
Startprogram
Import java.util.LinkedHashSet;
Import java.uutil.Set;
Public class TestUserMain{
Public static void main(String[] args){
Set s1=new LinkedHashSet();
s1.add("one");
s1.add(1);
s1.add(null);
s1.add(3,4);
s1.add("null");
System.ouut.println(s1);
}
}
Endprogram
```

- a. [one, 1, null, 3, 4, null]
- b. [null, 1,3, 4, null, one]
- c. ClassCastException
- d. Compile time error
- e. [1, 3, 4, null, null, one]

**Correct Answer:** [one, 1, null, 3, 4, null]

648) The file "tongue twister.txt" contains the following content.

How much wood would a woodchuck chuck if a woodchuck could chuck wood?  
He would chuck,  
he would,  
as much as he could,  
and chuck as much wood  
As a woodchuck would  
If a woodchuck could  
Chuck WOOD.

Mr. Sam is a UNIX administrator and he wants to display the lines which have the word "wood" from the above content.

He has to follow the given constraints,

1. Display only those lines which have the complete word ""wood"" and not the sub-string.

So the lines 2,3,4 and 6 should not get displayed.

2. Display the lines by ignoring the case. For example display the lines featuring the word Wood or WOOD or wood.

The output should be:

How much wood would a woodchuck chuck if a woodchuck could chuck wood?

and chuck as much wood

chuck WOOD.

Mr. Sam to find out the command to get the exact output.

- a. `grep -i "wood" tonguetwister.txt`
- b. `grep -iw "wood" tonguetwister.txt`
- c. `grep -w "wood" tonguetwister.txt`
- d. `grep -j "wood" tonguetwister.txt`

**Correct Answer:** `grep -iw "wood" tonguetwister.txt`

**649)** predict the output:

```
Startprogram
Import java.util.ArrayList;
Import java.util.iterator;
Import java.util.List;
Public class TestUserMain{
Public static void main(String[] args){
List <Double> l1=new ArrayList<Double>();
for(Double d.l1)
{
System.out.println(d);
l1.add(54.95);
l2.add(29.32)
l3.add(45.71)
System.out.println(l1.size());
}
```

}

- e. 3
- f. 0 0 4
- g. 4
- h. Compile time error

**Correct Answer:** compile time error

**650)** in HTML what is the default type of an input element

- a. Submit
- b. Text
- c. Hidden
- d. Reset

**Correct Answer:** Text







651. Statement: For a logically cohesive module there are some activities to be implemented

These activities are preferred from inside the module itself .off the above given statement true? If not, choose the correct answer

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

652.Name the unix command to perform safe shutdown a unix system.

- a. halt
- b. poweroff
- c. shutdown
- d. reboot

653.In HTML what is the default min and max values for the input type called range,choose one.

- a. min=0 max=100
- b. min=1 max=10
- c. min=0 max=10
- d. min=1 max=100

654. Root is super user in unix operating system and it is represented using\_\_\_\_\_

- a. \$
- b. \
- c. /
- d. >

655. What string datatype can be used for a string that does not contain line feeds,carriage return or tabs.

- a . xs:string
- b. xs:name
- c. xs:nospace
- d. normalized string

656.which is the root element of every XSD

- a. schema
- b. root
- c. schema-root
- d. base

657. In HTML what default type of an input element?

- a. submit
- b. text**
- c. hidden
- d. reset

658.

Predict the output

Given two files.

```
package A ;

public class One {

 int no1=50;

 protected int no2 = 60;

 public int no3 = 70;

package B;

class TestMain1 (

 static void main(String[] args) {

 new One():

 system.out. print(" "+o.no1);

 system.out. print (" "+o.no2);

 system.out. print(" "+o.no3);
```

- a. 50 60 70
- b. 50 followed by exception
- c. Compile time error**
- d. 50

659 . Which command is used to get intermediate result in a pipeline of commands in unix?

- a. Tee**
- b. Grpc
- c. Wc
- d. Is

660. which is not a measurement of CSS

- a. %
- b. pt
- c. px
- d. km**

661. Consider the following structure

Customer (custid,custnmae,address,city,country)

Choose the option display all customer who all are not from Hyderabad and delhi.

- a. Select \* from customer where city in("Hyderabad","Delhi");
- b. Select \* from customer where city < > in("Hyderabad","Delhi");
- c. Select \* from customer where city not in("Hyderabad","Delhi");
- d. Select \* from customer where city <>"Hyderabad" and city <>"Delhi";

662.

Predict the output

Startprogram

```
import java.util.ArrayList;

import java.util.Iterator;

import java.util.List;

public class TestUserMain (

public static void main(String[] args) {

List <Double> 11=new ArrayList<Double>();

for(Double d:11)

System.out.print(d): 1.add(54.98)

add(29.32);

add(45.71)

add(340)

system.out.println(11.size());
```

- a. 3
- b. 0.04
- c. 4
- d. Compile time error
- e. Concurrent modification exception

663.

Say true or false

startprogram

```
public class Main (

public static void main(String[] args)

String str1= "Measure twice":

String str2 ="cut once."

String str3=str1+str2:
```

```
String str4="Measure twice"+"out once."
System.out.println(str3==str4);
}
}
End program
```

- a. 1
- b. 0

665. Given the following Xml document

```
<studentname>
<first>raveena</first>
<last>dantan</last>
</studentname>
```

Correct schema structure for it ?

```
a. startprogram
<?xml version="1.0" encoding="UTF-8" ?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">
 <xs:element name="First" type="xs:string"/>
 <xs:element name="Last" type="xs:string"/>
 <xs:element name="studentname">
 <xs:complexType>
 <xs:sequence>
 <xs:element ref="First"/>
 <xs:element ref="Last"/>
 </xs:sequence>
 </xs:complexType>
 </xs:element>
</xs:schema>
Endprogram
```

b.

startprogram

```
<?xml version="1.0" encoding="UTF-8" ?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" >
 <xs:element name="studentname">
 <xs:complexType>
 <xs:sequence>
 <xs:element ref="first" />
 </xs:sequence>
 </xs:complexType>
 </xs:element>
</xs:schema>
Endprogram
```

```
<xsd:element ref="last" />
```

```
</xsd:sequence>
```

c.

```
startprogram <xs schema xmlns xsd="http://www.w3.org/2001/XMLSchema">
```

```
<xs element name="first type='xs:String"> <xs element name="last" type="xs:String"
```

```
<xs element name="studentname" type="name" <xs complexType type="name">
```

```
<xs sequence <xs element ref="first"
```

```
<xs element ref="last">
```

```
</xs:sequence
```

```
</xs:complexType>
```

```
/xs:schema>
```

```
Endprogram
```

d.

```
startprogram
```

```
/2001/XMLSchema">
```

```
<xsd element name="studentname">
```

```
<xsd complexType>
```

```
<xsd sequence>
```

```
<xsd element name="first" type="xsd:string"/>
```

```
<xsd element name="last" type="xsd:string"/>
```

```
</xsd:sequence>
```

```
</xsd:complexType>
```

```
</xsd:element>
```

```
</xsd:schema>
```

```
<xsd:schema xmlns:xsd
```

```
Endprogram
```