```
Modrde-3
1. Which modifier in Jara can be used to preunt class
                                    parati deni m
 from being inhuited?
A. Final modifier
2. Which of the following is correct way to declare multion
A. pullic static void display () { }
          alstract " " () { }
           Final "
3. Which of the following is notachecked exception?
A. Null Bointer exception & Arithmetic exception
4. Preduct % of code:
   Interface myinterface
  int a = 40;
    void predict () {
    class my class implements my interface &
   pullic wid predict ()
       a++;
A. a is a constant
   compiler evvor as a is a constant y its value cannot
   le modified in a class (myclass)
5. % of foll wode:
   map & integer, string > p = new Hashmap (integer, string)
```

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```
p. put (20, "Neha"), p. put (20, "ausur");
 p. put (40, "Pen"):
  p. put (40, "Pen");
 p. put (20, "erasor");
 50P (p. size ());
my: 2 (duplicate values are not allowed)
6 Which of the following → correct way to alstract method
 in abstract Java dars?
A. pulliz alstract void display () { }
7 not true for abstract class!
A i, cannot have concrete methods
   It can't have nubclasses
8. Student management, the length of lastname - length()
                                   null - exception.
    Frue about scenario?
9 class Neha
     public static void main (

} try
    try \int_{1}^{3} int x = 8/0
             Enulpointer exception null x
```

SOP ("Null pointer exception");

Finally

SOP ("Finally block");

}

O/P of the code?

A Finally block & arithmetic exception is through at nunting

10. Jara code → try with a catch blocks; one for sqlexc, other for io exception. Finally block follows catch block his at the time of exc in try block throws sql exceptacer

to given scenario are collectiva

A When exception is throun, sql exception block will be exception followed by finally block

Il scenario → Jara → gllow → comm with obj via sienste in remote method invocation. For this purpose what has to be done?

A. Use Object socialization by oreating a class which influence the socializable interface

12. how do you test exception throun by the fol mither in Junit?

public roid method ()
{

int result = 5/0;

3

149? - @ Test (Excepted = Arithmetic Exception class)

```
13. public do Neha
                  @Test
                  pullic void getdetail ()
                  asgnore
at run-time
                  @ Testo
                 (Pexcepted = class cast Exception. class)
exc, other
Hock Init
                   pullic void enterdetails ()
                  @ Ignore (" This method is not molly and");
up acor
                  @ Fest
                   pullic void displaydetails () { };
will be
           A only one list case is executed
socket
HOLMUR
           14 how many times following method is execut in Junet?
             (a) Before
that has
             pullic
              SOP ("method 1");
h implement
          A once before every test in the class
          15. Arraylist
 method
              Predict %p of code Arraylist < string a > = new Arraylist < string
             -30
                                           a. add (30");
               30
                                           a add ("-30");
              40
                                           a. add ("Meha");
              Meha
                                            a add ("40");
             neha
                                            a add ("Neha");
                                     collection. bort (a): SOP ("contints of a) +0)
```

```
16.0/P of code - Fruset
    Treased true = new Truset;
    Tree add (apple)
     True add (Ball)
     Tru add (ball).
     True add (Apple)
     True add (appe.)
      SOP (tru);
    Apple
      Ball
      ape
      apple
      ball
19. Pick up true statement about Java collection.
    a) Map stores obj in form of (key, value) pair
    b) Set doesn't purmit duplicate entries
                      jara du wants o
18. Consider scenario → coll of object → no dup entries → no order
    which collection is used?
A Hashset
19 What is the default value assigned to foll array climan,
     boolean status = new bollan[2];
A: False
    Class Neha
20.
      pullic static void main ()
       \( \text{int num1 = 0, num2 = 10;}
```

```
do
{
num2 - -;
++num1;
}
while (num1 < 5)
{
SOP (num1 + ";" + num2);
}
%
>> 5 5
```



In Hima wants only soldasses in package to have access mem of niperclass. What access modifier is used?

A protected

22. The import keyword is used for which of following function?
A import both brill - in packages & user-dy packages

23. Which is the correct way of writing the getter method of java bin, property "city" of string data type?

A String getcity ();

24. Which of the following - not a wapper class?

A. Vector

25. Consider foll sunarvo

-) no order

ay element,

A. This will throw unchecked exception

```
customer excep - new class - runchase or tour exception.
 Which predefined class need to be inhvited by purchase
 order exception by making
A Runtime exception
27 public class Neha
      pullic static void main ()
       try
            SOP ("Integur parseInt ("A 90"));
        catch
            (Arithmetic exception array Index out flound
                                        exception e);
         SOP (catch block 1);
        Catch
            (Number Format exception ne);
             SOP (catch block 2);
         catch
              SOP (catch block 3);
```

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```
A = catch block 2 < 0/P
28 can data flow in a given Iostream in both dir ? -> No
                                          Alream has one dir eather for /p
    Consider test cases, which one is true?
   @ Test (Expected = truthmeticexpection, class)
     public void division ()
        int i = 1/0;
30. Which of the below method will fail ?
    public dass Neha
      OTest
Pullic void test!()
        assent Equals (23, int. parse Int ("23"));
       @Test
       pullic void test 2 ()
        assert Equals ("two", "two"); Fail ("test fails");
        3
Any. Test 2
31. Which is corn code for failing the test if the test takes
 longer than I sec for exec.
1. @Timeout (1)
    @ sgnore
  Test (timeout = 1000)
```

```
32. Hashmap map = new Hashmap (),
   map put (T", "Gulam");
   map put ("null", "Rani");
    map put ["null", null");
    map put ("k", "null");
    map put ("k", "Raja"):
    50P (map size ()),
Am: 3 (J, K, null)
33. Which statement should be insuited at line 6 to
   sort the array?
 'Avraylist subjectell= new Avraylist[];
 a subjects. add ("Eng", "Mat", "Phy", "Chem");
Any: collections sort (subjects)
                     name of averagelist
34. Pick up true stat related to array & arraylist
A:- i) array is static, arraylist is dynamic
   i) array & arraylist both of them allow duplicate who
35. Predict %P → set < strung 15> = new Truset < strung)
                   string[] V ={"1,3,",2"};
                   for (1=0; 1< v. length; 1++)
                      As add (VII).
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```

```
strator at 15 strater,
                    while (it harment)
                    1 sop (it mut),
               My 123
                                             "rud" tolut in
              36. The translated docrn't allow keys are well as in values
              A Frue
              DOPS-UML (MODULE 1) ##
lune 6 to
              1 Which of the following feature of a class diagram shows
              relationship b/w father y ron?
             A Generalization (Inheritance)
             a. Which of the following options are not true with instance
              vorualle?
             A. I. They comprise of all static variables in the class
            11, They cannot be initialised in the constructor
            3. Which of the Islow one true about exception handling?
dist
            A Laception handling provides meaningful error
               murages
licate value
               2 Use of exa had mechanism helps in separating regular
               3 evron code
et < string>
            4 Free in case of earhaustice testing
            A. It is ingratically not economically wighable.
```

5. covict example of good pract wring multiplication ()

(one AS INTEGER

two AS INTEGER)

returns INTEGER

RETURN num1 xnum2

END SUB

BEGIN

END Multiplication();

RVFD .- (**)

1 According to the Chocs report, undocumented assumptions the main nearon that contributes to requirement errors durin the initial phases of SDLC (Pg-25) (M-2)

2. Identify which term below is used to identify the surrow?

surrow?

banking system — Than alusts on mobile

view ac bal

Than

A features of the nystem

3. Non-func-requiremelype of req. sheck includes checking that the system should be some at the most 100 concurrent we 4. Sunario - Identify neg.

Sys should be func on both old & new servers & space show

be managed by both

A Physical constraint

A. i, use prototyping II, JAD Use (Joint Application Development) 6 Identify serverty & Priority for foll defect Neha -> HR exec -> recr. website -> hire final yest -> April welfite -> downtime -> during 1st month of Year A high ser, low priority 7. Identify defect status when defect is logged & yet to be lions assigned to developer? main A NEW run the 8 Scenario → type of testing should be done → avoid this hy the hacker - Us gort comp - 2 agen - defince defit A Security testing 9 Identify defect management tool from below description A Bugzilla 1, sporting no of adv tools from notification to 11, detection to shared searches duplicate buy detection iking that 10. Use case describe logical interaction b/w actor & system www.tww 11. In a ATM machine, bal - sarings - with draw cash. Wheel space should type of flow? A. Atternate flow

5 Identify methods to control requirep

vanie.

Use (ase

- I which of foll rexample of actor?
 - A customer, uchdient
 - 2 Identify use cases for online shop 40
 - A dogin, User Regio, By Hem, Make Payment
 - 3 2 movie lickets , by sulmit neg details which type of validation the above scenario comes?
 - A Use case level lesting
 - 4 Identify actor from the green sunwivo

Collège lib, til clerk, stu Zupdale admin rughts - librarian

Pseudocode

- 1 write way of writing pseudocode naming conuntion
- ACCEPT firstname, lastralne; nesult : pristralne, lastralne; PRINT result
- 2 Black box tisting and Equivelence partition trior grussing
- 3. Which of foll shows purpose of defensive programmy!
 A is ensure that the program never returns inactive resided it, alnormal termination of program will be avoided

OOPS-UML

1. true UML diagram - (ERD) deployment diagrams

a online shop app, objects from different classes communicate with each other. This communication is known as missaging.

thich type of

ranian

g conuntion

e programming? s inactue result be avoided