1. Which of the given option is correct to sort the list using Comparator interface?
Select one:
->None of the given options
->Collections.sort(list, comparator object)
->Collections.sort(list)
->Both 1 and 2

2. Identify which of the following statement is FALSE about Oracle PL/SQL Packages?
Select one:
->A package always has a specification, which declares the public items that can be referenced
   from outside the package.
->A package is compiled and stored in the database, where many applications can share its
  contents.
->A package is a schema object that groups logically related PL/SQL types, variables, constants,
   subprograms, cursors, and exceptions.
->The body can declare only public items that can be referenced from outside the package. (r)

3. Predict the concept of the given code.
class Vehicle
{
public void fuelAmount() { }
public void applyBrakes() { }
}
class Car:Vehicle{}
class Bus:Vehicle{}
class Program
{
int main()
{
Bus bus=new Bus();
Bus.applyBrakes();
return 0;
}
}
Select one:
->None of the given options
->Polymorphism
->Inheritance(r)
->Abstraction

4. Name which is NOT a type of HTTP Request
Select one:
->REMOVE(r)
->PUT
->GET
->DELETE
->POST
5. Choose the correct extension of the Python program file
Select one:
.python
.pl
All the given options

.p
.py(r)
6. Choose the correct wildcard pattern if we want an expression in which the last character is not
numeric
Select one:
->None of the given options
->[0-9]
-> *[0-9]
-> *[!0]
-> *[!0-9](r)

7. Can you label the software maintenance type which aims to correct any remaining errors
regardless of where they may cause specifications, design, coding, testing, and documentation,
etc.
Select one:
->Preventive
->Corrective(r)
->Perfective
->Adaptive
->None of the given options
8. Label the expanded form of CI/CD
Select one:
->Continous Information & Continous Deployment
->Continous Integration & Continous Development
->Continous Integration & Continous Deployment(r)
->Continous Information & Continous Development
9. Label the data structure which is used to store information about a process.

Select one:
->Program Control Block
->Dictionary
->Stack
->Process Control Block(r)
->None of the given options

10. Can you identify whether the following statement is true or false.
Git is a decentralized Version Control tool
Select one:
->True(r)
->False

11. Predict the output of the following code.
def power(b, p):
y = b ** p
return y
def square(x):
a = power(x, 2)
return a

n = 6
result = square(n)
print(result)

Select one:
->12
->6
->72
->36(r)

12. Which code is used for applying the <a> with attribut target blank 's
text color as green
Select one:
->a[target=_blank]{background-color:green;}
->a{background-color:green}
->a[target=_blank]{color:green;}
->a{color:green}

13. Software maintenance is NOT a part of the Software Development Life Cycle
Select one:
->True
->False(r)
14. Identify the values of the given array
int x[6]={10,19,25}
Select one:
->x[0]=0
 x[1]=0
 x[2]=0
 x[3]=10
 x[4]=19
 x[5]=25

->x[0]=19
  x[1]=10
  x[2]=25   (r)
  x[3]=0
  x[4]=0
  x[5]=0

->x[0]=0
  x[1]=0
  x[2]=0
  x[3]=0
  x[4]=0
  x[5]=0

->x[0]=0
  x[1]=0
  x[2]=0
  x[3]=10
  x[4]=19
  x[5]=25
15. Which method is used to return a ResultSet ?
Select one:

->execution()
->executeUpdate()
->executeQuery()(r)
->execute()

16.
```cpp
#include<iostream>
using namespace std;
main()
{
double t=3;
switch(t)
{
case 3:cout<<"Hi";
default:cout<<"Hello";
}
}
```

Select one:
->Error(r)
->Hi
->HiHello
->Hello

17.
```java
package com.cognizant.corejava;
public class Test {
String name; // Line1
public Test() {
name = "Sara";
}
public static void main(String[] args)
{

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

What is the output of the above Java code?
Select one:
-> Throws NullPointerException
-> Sara
->The code runs with no output
-> Compilation error, as String name "in Line 1" is not declared with static modifier.

18. Can you identify whether the following statement is true or false.

Shell scripts need to be saved with an extension .sh
Select one:
-> True
-> False(r)

19.
Which constraint prohibits multiple rows from having the same value in the same column or combination of columns but allows some values to be null.
Select one:
-> NOT NULL
-> PRIMARY KEY
->UNIQUE(r)
-> CHECK

20. Which of the following is used to rollback a JDBC transaction?

Select one:
  statement.rollback()
  connection.rollback() (r)
  resultset.rollback()
  drivermanager.rollforward()

21. How to create an immutable class ?
Select one:
-> Mark the class as private
->Mark the class as constant
-> Mark the class as protected
-> **Mark the class as final(r)**

22. Name the element which starts in a new line and takes the full width which is available
Select one:
-> solid
->**block(r)**
-> inline
->None of the given options

23. Name the command which is used to list the attributes of a file in UNIX
Select one:
-> chmod
-> list
-> attr
-> **ls(r)**
-> cp

24. Which of the following is NOT a type of Cloud Model?
Select one:
  Hirerchical(r)
  Private
  Public
  Hybrid

25. List the format which is often used for sending data from a server to a web page
Select one:
  SQL
  objects
  HTML
  JSON (r)

26. Choose the output for the given code

```
<p id="demo"></p>
<script>
var x = 5;
var y = 2;
var z = x % y;
document.getElementById("demo").innerHTML = z;
</script>
```
Select one:
  0
  1(r)
  5

27. CREATE OR REPLACE PROCEDURE greetings
AS
BEGIN
dbms_output.put_line('Hello World!');
END;
Select one:
-> Procedure not created.
-> "Hello world!"
-> **Procedure created. (R)**
-> Procedure not created due to syntax error.

28. Identify the git command that downloads your repository from GitLab server to your computer
Select one:
-> git push
-> git fork
-> **git clone(r)**
-> git download
-> git commit

29. Predict the ouput of the given program

```cpp
#include<iostream>
using namespace std;
class BaseSample
{
public:
void function()
{
cout<<"Message from Base"<<endl;
}
};
class ChildSample:public BaseSample
{
public:
void function()
{
cout<<"Message from Child"<<endl;
}
};
int main(void)
{
BaseSample A=ChildSample();
A.function();

return 0;
}
```
Select one:
-> Message from Child
->**Message from Base (r)**
-> None of the given options
-> Runtime Error

30. Name the media type which can be used for tablets and smart phones

Select one:
 print
 screen(r)
 laptop
 speech

31. Carefully read the question and answer accordingly.
If display method in super class has a protected specifier then what should be the
specifier for the overriding display method in sub class?
Select one:
 None of the listed options
 private

 protected or default
 protected or public(r)

32.
Identify, which of the following is TRUE regarding the returned value of Cursor
attribute %NOTFOUND?
Select one:
 NULL if no row returned
 INVALID_CURSOR if the cursor is not opened (r)
 TRUE if a record was fetched successfully
 FALSE before the first fetch

33. Choose the appropriate sequence for the step wise execution of the given sub query.
SELECT * FROM EMP WHERE SAL=(SELECT MAX(SAL) FROM EMP);

steps:

1. the maximum salary is fed into the parent query
2. The sub-query is executed and maximum salary is fetched from the employee table
3. All the employee records whose salary is equal to the maximum salary is retrieved
and displayed
Select one:
 2,1,3 (r)
 3,2,1
 1,2,3
 2,3,1

34. Predict the output of the following:

```
DECLARE
a number(3) := 200;
b number(3) := 300;
BEGIN
IF( a = 200 ) THEN
IF( b <> 300 ) THEN
dbms_output.put_line(b);
END IF;
END IF;
dbms_output.put_line(a);
END;
```
Select one:
-> 200
    100

-> None of the given options
-> **200 (r)**
-> 300
-> Syntax Error
35. Label the Git command which is used to compare two specified branches
Select one:
-> git push --tags
-> All the given options
-> git merge
-> git compare
-> **git diff ⋯ (r)**

36. What will be the output of the following
python code?
def test():
try:
print(1)
finally:
print(2)
test()
Select one:
-> **Compile Time Error®**   **/*indentation taken into consideration*/**
-> 2
-> 1 2
-> 1

37. Can you predict the correct query to insert record from the below given options?
Select one:
-> INSERT INTO TABLE_NAME VALUES
   (VAL1,VAL2,---VALN)

-> INSERT INTO TABLE_NAME
   (VAL1,VAL2,---VALN)

-> both opt1 and opt2 are correct

->**INSERT INTO TABLE_NAME (COL1,COL2,---COLN) (r)**
 (VAL1,VAL2,---VALN)

38. sampleSet = {"apple", "orange", "grapes"}
   print(sampleSet[1])
Select one:
 orange
 None of the given options
 Syntax Error(r)
 apple

39.
Choose true or false.
The given code created a password field in HTML.

<password id='password' name='password' />
Select one:
 True
 False (r)

40. Predict the output of the following code snippet.

```
int main()
{
int a, b=20;
a = 90/b;
return 0;
}
```

Select one:
 Compliation Error
 4.0
 4
 4.5