34) public class ExceptionDemo {

public static void main(String[] args) {

int i = 0;

try

{

i = Integer.parseInt("abc");

}

catch(Exception ex)

{

System.out.println("Exception");

}

finally

{

System.out.println("i = "+i);

}}}

What will be the output of above code?

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

**Exception**

**i = 0**

i = abc

no output

Exception

Q35

What is the default value of a boolean datatype?

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

**FALSE**

True

0

1

Q36

Refer the below code and predict the output.

public class Demo {

public static void main(String[] arg)

{

String str = "Cap";

String str1="Gemini";

str.concat(str1);

System.out.println(str);

}

}

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

CapGemini

**Cap**

Gemini

No output

Q37

public class Demo {

public static void main(String[] args)

{

try (Scanner sc = new Scanner(System.n)

{

// try block

} catch (Exception e)

{

e.printStackTrace();

}

}

}

Which of the statement is true about try with resource used in above code?

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

**Scanner resource will be closed automatically whether try block executed with or without exception.**

Scanner needs to close explicitly with close() method

Scanner resource can not be used with try here

Scanner resource will be closed automatically only in the case if try block will execute successfully.

Q38

Yashwant wants to create a user defined Unchecked exception, so he creates a class ,

help him to choose the correct base class from given options?

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

**java.lang.RuntimeException**

java.lang.Unchecked

java.lang.Throwable

java.lang.Exception

Q39

If object of FileOutputStream created by the below code and the file already exist with same name

then what will happened?

FileOutputStream fin = new FileOutputStream("Data.txt");

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

**File will be overwritten**

It will throw excetion as it can not create file with same name.

It will append the file.

None of the above

Q40

What are the 3 components of JVM?

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

**1. Class Loader**

**2. Byte Code Verifier**

**3. Security Manager**

1. Loader

2. Verifier

3. Security Manager

1. Compiler

2. Interpreter

3. Verifier & Security

1. Compiler

2. Class Loader & Verifier

3. Security Manager

Q41

Which of the given below interface declaration is applicable only in Java 8?

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

interface Demo

{

}

**interface Demo**

**{**

**static int method(){**

**return 1;**

**}**

**default String sayHello(){**

**return "hello";**

**}**

**}**

interface Demo

{

int var =90;

}

interface Demo

{

public String sayHello();

}

Q42

Which of the given method is of File class?

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

create()

**exists()**

update()

None of above

Q43

Which of the following keyword is used to skip the fields to be persisted in file during serialization?

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

**transient**

final

private

public

Q44

What is true about Constructors?

1. Constructors can have any name

2. Constructors have return type

3. Constructor have the same name as class name

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

1, 2

**3**

1,2,3

2, 3

Q45

abstract public class Rectangle {

abstract void addRectangle();

}

class ConsumableRectangle extends Rectangle{

public void addRectangle()

{

// add Rectangles

}

}

Pickup the valid statement about the above Java code.

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

code will compile without any errors.

Gives compilation error, because abstract class by default will have abstract methods only,

so methods in the abstract class should not be declared as abstract.

Gives compilation errors because ConsumableRectangle must also be declared as abstract.

**None of the above**

Q46

class Demo{

public static void main(String[] args)

{

try{

int num = 5 / 0;

System.out.print("A");

}

catch(RuntimeException ex)

{

System.out.print("B");

}

finally{

System.out.print(" C");

}

} }

Explain the control flow in above code.

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

It will execute try block completely then catch block and then finally block

**It will start with try block and then throw exception, so will execute the catch block and then finally block**

It will execute try block completely and then finally block.

It will execute the try block and then throw the exception with stacktrace

Q47

Match the following:

i. TreeSet

ii. HashSet

iii. HashMap

iv. Hashtable

a. Unordered, unsorted, unique collection of objects.

b. Sorted and unique collection of objects.

c. Synchronized collection of key value pair, where keys are unique, unsorted and unordered.

d. Collection of key value pair, where keys are unique, unsorted and unordered. One null key is allowed

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

**i-b**

**ii-a**

**iii-d**

**iv-c**

i-a

ii-b

iii-d

iv-c

i-b

ii-a

iii-c

iv-d

i-b

ii-d

iii-a

iv-c

Q48

In sleep method, what is the datatype of the argument?

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

float

byte

**long**

char

Q49

Which code can be inserted at Line X to print "Equal"?

public class EqTest{

public static void main(String argv[]){

EqTest e=new EqTest();

}

EqTest(){

String s="Java";

String s2="java";

// Line X

{

System.out.println("Equal");

}else

{

System.out.println("Not equal");

}

}

}

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

if(s==s2)

if(s.equals(s2))

**if(s.equalsIgnoreCase(s2))**

if(s.noCaseMatch(s2))

Q50

What will be the output of below code snippet?

int ch=5;

switch(ch)

{

default: System.out.println("Invalid");

break;

case 0:System.out.println("Zero");

case 1:System.out.println("One");

break;

case 2:System.out.println("Two");

break;

}

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

Zero

One

One

Two

Will give compile time error as default case is written first.

**Invalid**

Q51

Given the following code fragment:

XXXX choice ; // variable choice is declared and initialized here

switch( choice )

{

case 100 : System.out.println("One hundred");break ;

case 20 : System.out.println("Twenty");break ;

case 30 : System.out.println("Thirty");break ;

}

Choose the declarations of choice which will not cause a compiler error.

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

byte choice = 100;

short choice = 100;

int choice = 300;

**All of the above**

Q52

To prevent inheritance of a class, which of the following keyword can be used?

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

super

constant

class

**final**

Q53

class Shape{

public Shape()

{}

}

class Rectangle extends Shape{

}

public class MainClass

{

public static void main(String []args)

{

Shape shape = new Rectangle();//line 1

Rectangle rect = (Rectangle)shape;//line 2

}}

What is the true statement about above code?

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

**This code will compile and run successfully**

This will generate ClassCastException as shape can not be typecasted to Rectangle

It will work fine if line 1 will be replaced by below given code

Shape shape = new Shape();

None of the above

Q54

Which of the below is the return type of the run method()?

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

String

**void**

int

Thread

Q55

public class HashMapDemo {

public static void main(String[] args)

{

HashMap<Integer,String> map = new HashMap<Integer,String>();

map.put(101, "Capgemini");

map.put(102, "Global");

map.put(103, "Solutions");

System.out.println(map);

}

}

What will be the output of above code?

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

**{101=Capgemini, 102=Global, 103=Solutions}**

{101, 102, 103}

{Capgemini, Global, Solutions}

It will generate Exception

Q56

@FunctionalInterface

interface MyInterface{

void method1();

void method2();

}

What will be the issue in the above code?

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

There is no issue in the code.

**It will give compilation error as Functional interface should not contain more than one abstract method.**

There is no annotation as FunctionalInterface in java.

It will give compilation error as abstract keyword is missing in the code.

Q57

Which of the following is true regarding Java?

a. Java is a robust programming language

b. Java is a platform dependent programming language.

C. Abstract class can have concrete methods

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

option a

option a & b

option b & c

**option a & c**

Q58

What will be the output of following program?

public class Test {

public static void main(String[] args)

{

String s1 = "CG";

String s2 = s1;

String s3 = new String("CG");

String s4 = new String("CG");

System.out.println(s1 == s2);

System.out.println(s1.equals(s2));

System.out.println(s3 == s4);

System.out.println(s3.equals(s4));

}

}

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

true

true

true

true

**true**

**true**

**false**

**true**

false

false

false

false

No output

Q59

public class Demo {

public static void myFunction(String className) throws ClassNotFoundException {

Class.forName(className);

}

public static void main(String[] args)

{

try {

myFunction("java.lang.String");

System.out.println("Success");

} catch (ClassNotFoundException e)

{

System.out.println("Failure");

}

}

}

Refer the above code and predict the output?

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

No output

**Success**

Failure

Compilation fails as throws clause is not used properly

Q60

public interface Flyer{

public abstract void fly();

}

Identify the lambda expression for the function fly() to display "Flying" in the console?

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

() -> return "flying";

**void fly() -> { System.out.println("flying"); }**

fly() -> { return "flying" }

()->System.out.println("flying");

Q61

Is private members accessible in derived classed?

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

TRUE

**FALSE**

Q62

public class Sample{

public static void main(String agrs[])

{

for(int i=1; i<=10; i++);

System.out.print(i);

}

}

What is the output of the above code snippet?

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

prints from 1 to 10

Compilation error as for loop cannot be terminated using semi-colon

prints nothing

**Compilation fails as variable 'i' is declared inside for loop**

Q63

Consider the following Java Code snippet. The code does not have any compilation error.

.........

TreeSet tree = new TreeSet();

tree.add("one");

tree.add("two");

tree.add("three");

tree.add("four");

tree.add("two");

Iterator it = tree.iterator();

while (it.hasNext() )

{

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

}

....................

What will be the output?

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

one two three four

four three two one

**four one three two**

one two three four one

Q64

Which of the below call causes the thread to begin the execution?

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

thread.run()

thread.join()

thread.join(100)

**thread.start()**

Q65

What will be the output of the program?

import java.util.\*;

class Test

{

public static void main (String[] args)

{

List<String> listStrings = Arrays.asList("Cherry", "is", "Sweet");

Collections.sort(listStrings);

System.out.println(listStrings);

}

}

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

**[Cherry, Sweet, is]**

[Cherry, is, Sweet]

compilation fails as there is no asList() method in Arrays class

throws exception at runtime

Q66

import java.util.\*;

public class Question

{

public static void main(String[] args)

{

Scanner sc=new Scanner("0 1 23 hi 1 hello 2");

while(sc.hasNext())

{

System.out.print(sc.nextInt());

}

}

}

What is the output of the above program?

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

prints 0 1 23 1 2

compilation fails as hasNext() cannot be used along with nextInt()

**Compiles but throws InputMismatchException at the hi value fetched from scanner which is not int.**

prints 0 1 23

Q67

Which of the following method is not a part of Thread class?

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

currentThread()

sleep()

isAlive()

**finalize()**

Q68

Which of the below lambda expression is valid format?

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

**x -> {return x+10;}**

{String s -> s.toUpperCase()}

String {s} -> System.out.println(s)

({x, y}) -> {return x+y;};

Q69

Which of the given statement is true about UnChecked Exceptions?

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

They are checked by compiler at the time of compilation

**RuntimeException and its subclasses comes in the category of UnChecked Exception**

SQLException is unchecked exception.

These exception must be handled in the code.

Q70

Which of the below keyword is used for inheritance?

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

final

abstract

**extend**

throws

Q71

Select the correct method having variable argument feature.

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

**void print(int a,int b,String...c)**

void print(int a, int b...,float c)

public int print(int...s,int a,int b)

public int print(int...x, int...y)

Q72

Which of the below method needs to override when Serializable interface is implemented?

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

**write() method of need to override**

save() method needs to override

There is no abstract method in this interface.

create() method needs to override

Q73

What is the output of this program?

import java.util.\*;

class Maps {

public static void main(String args[]) {

TreeMap obj = new TreeMap();

obj.put("AB", new Integer(1));

obj.put("ACB", new Integer(2));

obj.put("ABC", new Integer(3));

System.out.println(obj.entrySet());

}

}

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

[AB, ACB, ABC]

[1, 2, 3]

{AB=1, ABC=2, ACB=3}

**[AB=1, ABC=3, ACB=2]**

Q74

What type of set would you use,if you wanted it in sorted order?

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

HashSet

LinkedHashSet

**TreeSet**

None of above

Q75

Which of the following Java interface is used by TreeSet to sort user defined objects?

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

SortedSet

SortedMap

**Comparable**

None

Q76

What is the output of the following?

import java.util.\*;

public class Mainclass

{

public static void main(String[] args)

{

Set<String> set=new HashSet<String>();//--- Line 1

set.add("B");//-- Line 2

set.add(11);//-- Line 3

System.out.println(set); //-- Line 4

}

}

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

Line 1 should be new Set();

**Line 3 gives compilation error**

Line 3 gives exception during run time

Line 4 shows compilation error as we cannot print set directly

Q77

List out the wrapper classes from below and select the correct option.

A. Random

B. Byte

C. Vector

D. Integer

E. Short

F. Double

G. Character

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

B, D & E

**B, D, E, F & G**

B, D & F

D,E & F

Q78

Programmers can mark a collection e.g List as being restricted to contain a particular data type.

The above statement is related to \_\_\_\_\_\_\_\_\_ concept in Java.

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

Access restrictions

**Generics**

Garbage collection

Multithreading

Q79

Extends keyword is used to inherit one interface in another interface?

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

**TRUE**

FALSE

Q80

public class StreamDemo {

public static void main(String[] args) {

BiFunction<String,String,String>fun = (str1,str2)->str1+str2;

String result=null;

result = fun.apply("10", "20");

System.out.println(result);

}

}

What will be the output of above code?

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

1020

30

**compilation error**

Exception

Q81

import java.util.Arrays;

import java.util.List;

public class Qn {

public static void main(String[] args) {

List<Integer> numList = Arrays.asList(34, 10, 60, 60, 3, 12, 65, 1, 8);

numList.stream().filter((n) -> n <= 60 && n > 10).sorted()

.forEach(System.out::println);

}

}

What will be the output of above code snippet?

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

**12**

**34**

**60**

**60**

10

12

34

60

60

10

60

60

12

34

60

Q82

Which statement is correct about Exception Handling of Java?

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

We can not write more than one catch block

Nested try block is invalid in java

finally block will be executed only if there is no exception raised

**try block can be followed by either a catch block or finally block or both.**

Q83

class multithreaded\_programing

{

public static void main(String args[])

{

System.out.println(t.getPriority());

}

}

What will be the output of above code?

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

0

10

**5**

1

Q84

Which of the following is used to read the bytes?

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

**InputStream**

OutputStream

Reader

Writer

Q85

package com.capgemini.corejava;

public class Test {

String name;

public Test()

{

name = "Sara";

}

public static void main(String[] args)

{

System.out.println(name);

}

}

What will be the reason of the compilation error in the above code?

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

There will be no compilation error

**Compilation error, as String name is not declared with static modifier.**

Compilation error as constructor should be declared as static.

Compilation error as name field will not be accessible inside the constructor.