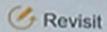


Question # 1

_____ directly inherits the Object "public boolean equals(Object obj)" method and does not override it.

Choose the best option

- String
- Enum
- StringBuffer
- Runnable

Question # 2

Which of the following for loop declarations does not meet the requirements?

Choose the best option

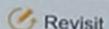
- for (int i = 99; i >= 0; i / 2)
- for (int i = 7; i <= 77; i += 7)
- for (int i = 20; i >= 2; -i)
- for (int i = 2; i <= 20; i = 2 * i)

Question # 3

In order to prevent a collision, which of the following is not a most effective technique?

Choose the best option

- Make the hash function appear random
- Use the chaining method
- Use uniform hashing
- Increasing hash table size

Question # 4

What will be the output for given statement?
System.out.println("5" + "10" + "3" + "9" + 1);

Choose the best option

- 510391
- 28
- 51391
- 271

Question # 5

The number of threads in the Java programme shown below is:

```
public class ThreadExtended extends Thread
{
    public void run()
    { System.out.println("\nThread is running now\n"); }
    public static void main(String[] args)
    { ThreadExtended threadE = new ThreadExtended(); threadE.start();
    }
}
```

Revisit

Choose the best option

0
 1
 2
 3

Question # 6

When do Java exceptions occur in the course of a program's execution?

Revisit

Choose the best option

Run Time
 Compilation Time
 Can Occur Any Time
 None of the above

Question # 7

Which of the following is false about static keyword?

Revisit

Choose the best option

Static methods can access other static members directly.
 Non static methods cannot access other static members directly.
 Static import can access directly all the static members of class.
 Static block gets called only once and a class can have multiple static blocks.

Question # 8

Which of these is used as a default for a member of a class if no access specifier is used for it?

Revisit

Choose the best option

Public
 Private
 Default
 Auto

Question # 9

Revisit

Which is the correct syntax to make a single dimensional array?

Choose the best option

- int a[]=new int [5];
- int a =new int[5];
- Both of the above
- None of the Above

Question # 10

Revisit

What is the aim of the following code?

```
import java.io.File;
import java.io.FileInputStream;
import java.io.IOException;
public class FileInputStreamExample {
    public static void main(String args[]) throws IOException {
        File file = new File("C:/Java Program/auto.jpg");
        FileInputStream inputStream = new FileInputStream(file);
        byte bytes[] = new byte[(int) file.length()];
        int numOfBytes = inputStream.read(bytes);
        System.out.println("Data copied successfully...");
        System.out.println(numOfBytes);
    }
}
```

Choose the best option

- To create an image file
- To delete an image file
- To read the file through input stream
- To write the file through output stream

Question # 11

Revisit

Calculate the output of the following code snippet.

```
interface A {}
class C {}
class D extends C {}
class B extends D implements A {}
public class Test extends Thread{
    public static void main(String[] args){
        B b = new B();
        if (b instanceof A)
            System.out.println("b is an instance of A");
        if (b instanceof C)
            System.out.println("b is an instance of C");
    }
}
```

Choose the best option

- Nothing
- b is an instance of A.
- b is an instance of C.
- b is an instance of A followed by b is an instance of C.

Question # 12

Revisit

When is it decided if a method should be overloaded?

Choose the best option

- At run time
- At compile time
- At coding time
- At execution time

Question # 13

Which of the following is an example of a garbage collection method?

 Revisit

Choose the best option

Sweep model
 Mark and sweep model
 Space management model
 Cleanup model

Question # 14

int x = 100;
In this example, Literal(Constant) is:

 Revisit

Choose the best option

int
 x
 =
 100

Question # 15

Anonymous Inner Class can _____.

 Revisit

Choose the best option

be extended by another class
 not be instantiated
 have a name
 access the members of its outer class

Question # 16

What will be the output of the following code snippet?

```
int a=15;
int b=25;
if ((a < b ) || ( a = 5)>15)
System.out.println(a);
else
System.out.println(b);
```

 Revisit

Choose the best option

Error
 15
 25
 No output

Question # 17

Which of the following statement is false?

Choose the best option

- Checked & Unchecked exceptions are detected or occur only in run-time.
- Javac by default handles the checked exceptions instead of forcing upon the programmer
- finally block always survives except System.exit(0)
- throws keyword is for satisfying javac instead of java

Question # 18

Enum Constant _____.

Choose the best option

- must be defined as first statement
- is an object of type enum
- is implicitly private static final
- ordinal value starts from 1

**Question # 19**

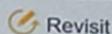
Choose the incorrect syntax for a lambda expression.

Choose the best option

- (param) -> System.out.println("parameterized lambda expression");
- () -> System.out.println("lambda expression");
- (String s) -> {"lambda expression of type String";}
- () -> 3.567

Question # 20

If there are multiple operators in the expression, then they will follow the rule of _____.

**Choose the best option**

- Precedence
- Associativity
- Random
- POSIX

Question # 21

Method Overloading has multiple methods with:

Choose the best option

- Same method name but different number or datatype of arguments.
- Same method name & same number of arguments
- Same method name & same data type of arguments
- All of the Above

Question # 22

What is the output of the following code?

```
int rollno=01;
String name="Ronak";
public void displayInfo();
}
interface StudentMarks
{
int M3=50;
int OOP=70;
public void displayMarks();
}
class Student implements StudentInfo, StudentMarks
{
    class Student implements StudentInfo, Stude
    {
        public void displayInfo()
        {
            System.out.println("Roll No:"+rollno);
            System.out.println("Name:"+name);
        }
        public void displayMarks()
        {
            System.out.println("M3 Marks:"+M3);
            System.out.println("OOP Marks:"+OOP);
        }
    }
    public class Sample
```

Choose the best option

- Roll No: 1
Name: Ronak
M3 Marks: 50
- Roll No: 1
Name: Ronak
- Roll No: 1
Name: Ronak
M3 Marks: 50
OOP Marks: 70
- Error

Question # 23

Which of the following statement is correct to check the largest number from given three numbers?

Revisit

Choose the best option

- a>(a>b?a:b)?c:(a>b?a:b);
- b>(a>b?a:b)?c:(a>b?a:b);
- c>(a>b?a:b)?c:(a>b?a:b);
- d>(a>b?a:b)?c:(a>b?a:b);

Question # 24

Which of the following is true about `HashMap<K, V>` API?

 Revisit

Choose the best option

It does not guarantee constant time performance.
 It allows to add null key reference (once)
 It is inherently thread safe
 It is sorted map implementation class

Question # 25

When do you expect the daemon thread to be terminated?

 Revisit

Choose the best option

Once all non-daemon threads execution is completed
 When `wait()` method is called
 When `interrupt()` method is called
 None of these

Question # 26

A place where a class's objects are kept is called as :

 Revisit

Choose the best option

Heap
 Stack
 Disk
 File

Question # 27

What type of conversion is shown in the following code?
`long l=100; int i=(int) l;`

 Revisit

Choose the best option

Implicit Type Conversion
 Explicit Type Conversion
 Auto Type Conversion
 None of the Above

Question # 28

Aggregation is also called as:

 Revisit

Choose the best option

OR A Relation
 AND A Relation
 HAS A Relation
 None of the Above

Question # 29

Collections.emptySet() is used to get :

Revisit

Choose the best option

- Mutable HashSet
- Immutable Set
- Non-Serializable Set
- No Such method

Question # 30

What will be the output of the following program?

```
class W
{
    static int c = 0;
    public static void main(String[] args)
    {
        W w1 = c();
        W w2 = c(w1);
        W w3 = c(w2);
        W w4 = c(w3);
    }
    private W()
    {
        System.out.println("c = " + c);
    }
    static W c()
    {
        return c++ <= 0 ? new W() : null;
    }
    static W c(W w)
    {
        return w.c++ == 1 ? new W() : null;
    }
}
```

Revisit

Choose the best option

- C=1, C=2
- C=1,C=2,C=3
- C=1,C=2,C=3, C=4
- Null Pointer Exception

Question # 31

Which of the following is true about Reflection?

Choose the best option

- It is not used to break abstraction
- It is used to access private method using its class object
- Used to access only public variables
- Used to access only commo variables

Question # 32

What will be the output if Sample.java does not have the main () method?

Revisit

Choose the best option

- Compile time error using javac command.
- Run time error using java command.
- Class will get executed without any error.
- Class will get executed with an exception.

Question # 33

What will be the output for the following code?

```
public class Test implements Runnable
{
    public static void main(String[] args) throws InterruptedException
    {
        Thread thread = new Thread(new Test());
        thread.start(); thread.start(); thread.start();
        System.out.println(thread.getState());
    }

    public void run() { System.out.println("Welcome"); }
}
```

Choose the best option

- Welcome and IllegalThreadStateException
- Welcome, Welcome and IllegalThreadStateException
- IllegalThreadStateException
- Welcome, Welcome, Welcome

Question # 34

What is false about constructor?

Choose the best option

- Constructors cannot be synchronized in Java
- Java does not provide default copy constructor
- Constructor can have explicit return type
- "this" and "super" can be used in a constructor

Question # 35

What will be the output of the following code?

```
class Except_H
{
    public static void main(String args[])
    {
        try
        {
            int a, b;
            b = 0;
            a = 5 / b;
            System.out.print("A");
        }
        catch(ArithmeticException e)
        {
            System.out.print("B");
        }
    }
}
```

Choose the best option

- A
- B
- Compilation Error
- Runtime Error

Question # 36

What is the output of the following code?

```
import java.io.*;
public class Hello
{
    public static void printsr(int n)
    {
        int i, j;
        for(i=0; i<n; i++)
        {
            for(j=0; j<=i; j++)
            {
                System.out.print("* ");
            }
            System.out.println();
        }
    }

    public static void main(String args[])
    {
        int n = 5;
        printsr(n);
    }
}
```

Choose the best option

- * * * * *
- * * * * *
- * * * * *
- * * * * *
- * * * * *

Question # 37

Revisit

Choose the correct set of String class methods from the following:

Choose the best option

- charAt, compareTo, containsAll
- copyValueOf, format, valueAt
- endsWith, length, intern
- getBytes, toCharArray, lowerCase

Question # 38

Revisit

"Object value = 13.401;" represents _____.

Choose the best option

- Generalization and Down Casting
- Widening and Up Casting
- Composition and Down Casting
- Auto Boxing and Up Casting

Question # 39

Revisit

Just-In-Time Compiler increases the efficiency of _____.

Choose the best option

- Compiler
- Interpreter
- Garbage Collector
- Resource Allocation

Question # 40

Revisit

Which of the following can be used to move thread from waiting state to runnable state?

Choose the best option

- using yield method
- using start method
- using awake method
- using notifyAll method