

PRISTINE INFORMATION SERVICES PRIVATE LIMITED

Name :

Contact No :

Multiple Choice Question

1) In which memory a String is stored, when we create a string using new operator?

- a. Stack
- b. String memory
- c. Heap memory
- d. Random storage space

2) Given that Book is a class, how many reference variables and objects are created by the following code?

```
Book bookName,bookId;  
bookName = new Book();  
Book book_class = new Book();
```

- a. Two reference variables and two objects are created.
- b. One reference variable and two objects are created.
- c. Three reference variables and three objects are created.
- d. Three reference variables and two objects are created.

3) If three threads trying to share a single object at the same time, which condition will arise in this scenario?

- a. Time-Lapse
- b. Race condition
- c. Critical situation
- d. Recursion

4) What is the result of the following program?

```
public static synchronized void main(String[] args) throws  
  
    InterruptedException{  
        Thread f = new Thread();  
        f.start();  
        System.out.print("A");  
        f.wait(1000);  
        System.out.print("B");  
    }
```

- a. It prints A and B with a 1000 seconds delay between them
- b. It only prints A and exits
- c. It only prints B and exits
- d. A will be printed, and then an exception is thrown.

5) What will be the output of the following program?

```
public class Test {
    public static void main(String[] args) {
        int count = 1;
        while (count <= 15) {
            System.out.println(count % 2 == 1 ? "***" : "+++++");
            ++count;
        }
    }
}
```

- a. 15 times ***
- b. 15 times +++++
- c. 7 times *** and 7 times +++++
- d. 8 times *** and 7 times +++++

6) Evaluate the following Java expression, if x=3, y=5, and z=10:

$++z + y - y + z + x++$

- a. 24
- b. 23
- c. 20
- d. 25

7) Output Of A Program

```
class ABCD
{
    public static void main(String args[])
    {
        String s1 = new String("javaprogram");
        String s2 = new String("javaprogram");
        if (s1 == s2)
            System.out.println("Equal");
        else
            System.out.println("Not equal");
    }
}
```

- a) Equal
- b) Not equal

8)

```
class access
{
    public int x;
    private int y;
    void cal(int a, int b)
    {
        x = a + 1;
        y = b;
    }
}
public class access_specifier
{
    public static void main(String args[])
    {
        access obj = new access();
        obj.cal(2, 3);
        System.out.println(obj.x + " " + obj.y);
    }
}
```

- a) 3 3
- b) 2 3
- c) Runtime Error
- d) Compilation Error

Programming Skills

Attempt Any 2

9.) WAP for a Selection Sort ?

10.) WAP to print a Hollow Square Star Pattern ?

```
*****
*
*
*
*
*
*****
```

11.) WAP to insert/write content at specific position in file in java ?