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**—OBJECT ORIENTED PROGRAMMING WITH JAVA**

**Assignment12**

**TYPE OF QUESTION: MCQ**

**Number of questions: 10**

**Total mark:  $10 \times 1 = 10$**

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**QUESTION 1:**

**Execution of SQL command like `SELECT * FROM myTable` using JDBC program will return a `ResultSet` object. This object is**

- a. Same as the myTable.
- b. All records in verbatim from the table.
- c. All records in verbatim from the table but those records with null values.
- d. All records in verbatim from the table but those records are not with null values.

**Correct Answer: b**

**Detailed Solution:**

The `ResultSet` object includes all records stored as an array of records and irrespective of whether a record contains null value(s) or not.

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**QUESTION 2:**

**Which of the following control expressions are not valid for an `if` statement?**

- a. Any integer expression.
- b. Any Boolean expression.
- c. A String object.
- d. **Any** expression with mixed arithmetic.

**Correct Answer: c,d**

**Detailed Solution:**

Any expression with Boolean or integer variables are valid. The condition will evaluate to zero (false) or non-zero (true) values. Other options are not valid.

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**QUESTION 3:**

Let's consider the following program in Java.

```
class Test extends Thread {  
    public void run() {  
        System.out.println("I am from Run...");  
    }  
}  
  
class MyProgram {  
    public static void main(String[] args) {  
        Test t = new Test();  
        t.start();  
    }  
}
```

If you run this program the how many threads will be executed altogether?

- a. One thread only.
- b. Two threads only.
- c. Three threads only.
- d. No thread will run in this case.

**Correct Answer: b**

**Detailed Solution:**

Here, two thread objects will be in execution: One is the thread due to the execution of the `main()` method and other is the `run()` of the object `t`.

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**QUESTION 4:**

**Which of the statements are not correct about Swing programming?**

- a. AWT is a heavyweight programming.
- b. Swing is heavyweight programming.
- c. Swing is lightweight programming.
- d. Both AWT and Swing are lightweight programming

**Correct Answer: a,b,d**

**Detailed Solution:**

Swing is lightweight compared to the AWT. So only c option is correct all are “**not correct**”. Hence answer will be a,b,d.



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**QUESTION 5:**

Which of the following displays components row-by-row in the order in which they were added to the JFrame?

- a. CardLayout
- b. FlowLayout
- c. BorderLayout
- d. GridLayout

**Correct Answer: b**

**Detailed Solution:**

Flow layout adds the components serially in the order in which they were added.

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**QUESTION 6:**

**Consider the following piece of code in Java.**

```
public class Test {  
    public static void aMethod() throws Exception {  
        try {  
            throw new Exception();  
        }  
        finally {  
            System.out.print("finally ");  
        }  
    }  
    public static void main(String args[]){  
        try {  
            aMethod();  
        }  
        catch (Exception e) {  
            System.out.print("exception ");  
        }  
        System.out.print("finished ");  
    }  
}
```

What is the result, if the above-mentioned program is executed?

- a. finally
- b. exception finished
- c. exception finally finished



- d. finally exception finished
- e. Compilation fails

**Correct Answer:d**

**Detailed Solution:**

The program is syntactically correct and here for two try blocks, there is one catch block.

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**QUESTION 7:**

Consider the following program:

```
public class Question
{
    public static void main(String[] args) {
        String str = "january java nptel.";
        System.out.println(str.charAt(8)+str.substring(9, 12));
    }
}
```

**What is the output of the following program?**

- a. j ava
- b. iava
- c. javanptel
- d. january

**Correct Answer: b**

**Detailed Solution:**

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**QUESTION 8:**

**Which of the following statements would cause a compilation error?**

- a. float[] = new float(3);
- b. float f2[] = new float[];
- c. float[] f1 = new float[3];



d. `float f3[] = new float[3];`  
e. `float f5[]={ 1.0f, 2.0f, 2.0f };`  
f. `float f4[] = new float[] { 1.0f, 2.0f, 3.0f};`

**Correct Answer: a,b**

**Detailed Solution:**

Option (c), (d), (e) and (f) are syntactically correct for declaration of an array. And option (a) and (b) are not correct so they will cause error

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### **QUESTION 9:**

Consider the following program:

```
public class Question
{
    public static void main(String[] args) {
        String str = "april java npTEL.";
        System.out.println(str.length());
    }
}
```

**What is the output of the following program?**

- a. 16
- b. 15
- c. 19
- d. 17

**Correct Answer: d**

**Detailed Solution:**

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### **QUESTION 10:**

**Which of the following method is used to set a frame, say `f` with size  $200 \times 300$  pixels?**

`JFrame f = new JFrame();`  
a. `f.setSize(300, 200);`



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- b. `f.setSize(200, 300);`
  - c. `f.paint(300, 200);`
  - d. `f.setVisible(300, 200);`

**Correct Answer: b**

**Detailed Solution:**

The `setSize(200,300)` method is used to do the job. Other are either syntactically not valid or not appropriate.

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