Object-oriented Programming: 420-ENP-MT (Group 308)

Sakkaravarthi ramanathan

Quiz 1   **10 marks**   **11th July 2018**

_____

1.What is the output of this program?

```
1.      class variable_scope
2.      {
3.          public static void main(String args[])
4.          {
5.              int x;
6.              x = 5;
7.              {
8.                  int y = 6;
9.                  System.out.print(x + " " + y);
10.             }
11.             System.out.println(x + " " + y);
12.         }
13.     }
```

a) 5 6 5 6
b) 5 6 5
c) Runtime error
d) Compilation error

2. What is the output of this program?

```
1.      class mainclass {
2.          public static void main(String args[])
3.          {
4.              boolean var1 = true;
5.              boolean var2 = false;
6.              if (var1)
7.                  System.out.println(var1);
8.              else
9.                  System.out.println(var2);
10.         }
11.     }
```

a) 0
b) 1
c) True
d) false

3. What is the output of this program?

```java
class booloperators {
    public static void main(String args[])
    {
        boolean var1 = true;
        boolean var2 = false;
        System.out.println((var2 & var2));
    }
}
```

a) 0
b) 1
c) true
d) false

4. With x = 0, which of the following are legal lines of Java code for changing the value of x to 1?

```java
1. x++;
2. x = x + 1;
3. x += 1;
4. x =+ 1;
```

a) 1, 2 & 3
b) 1 & 4
c) 1, 2, 3 & 4
d) 3 & 2

5. What is the output of this program?

```java
class increment
{
    public static void main(String args[])
    {
        double var1 = 1 + 5;
        double var2 = var1 / 4;
        int var3 = 1 + 5;
        int var4 = var3 / 4;
        System.out.print(var2 + " " + var4);

    }
}
```

a) 1 1
b) 0 1
c) 1.5 1
d) 1.5 1.0

6. What is the output of this program?

```java
class increment
{
    public static void main(String args[])
    {
        int g = 3;
        System.out.print(++g * 8);
    }
}
```

a) 25
b) 24
c) 32
d) 33

7. What is the output of this program?

```java
class Output
{
    public static void main(String args[])
    {
        int a = 1;
        int b = 2;
        int c;
        int d;
        c = ++b;
        d = a++;
        c++;
        b++;
        ++a;
        System.out.println(a + " " + b + " " + c);
    }
}
```

a) 3 2 4
b) 3 2 3
c) 2 3 4
d) 3 4 4

8. Which of these are selection statements in Java?
a) if()
b) for()
c) continue
d) break

9. Which of these statements are incorrect?
a) Assignment operators are more efficiently implemented by Java run-time system than their equivalent long forms.
b) Assignment operators run faster than their equivalent long forms.
c) Assignment operators can be used only with numeric and character data type.
d) None

10. Which of these have highest precedence?
a) ()
b) ++
c) *
d) >>