Java operators and their precedence and associativity

MCQs

Q1. What will be the output of the following program?

```java
public class Relation {
    public static void main(String args[]) {
        int a = 10;
        int b = 15;
        a++;
        b--;
        int c = b % a;
        System.out.println(c >= b);
    }
}
```

a) Compilation error
b) True
c) False
d) Runtime error

Q2. What will be the output of the following program?

```java
public class Test {
public static void main(String[] args)
{
  int x = y = z = 10;
  System.out.println(x + " " + y + " " + z);
  }
}
```

a) 10 10 10
b) Compile time error
c) Runtime error
d) x y z

Q3. What will be the value of i, j and k in the below program?

```java
public class IncrementDecrementQuiz
{
    public static void main(String[] args)
    {
        int i=19, j=29, k;

        k = i-- - i++ + --j - ++j + --i - j-- + ++i - j++;

        System.out.println("i="+i);
        System.out.println("j="+j);
        System.out.println("k="+k);
    }
}
```

a) I = 19, j = 28, k = -20
b) I = 18, j = 28, k = -19
c) I = 19, j = 29, k = -20
d) I = 18, j = 29, k = -19

Q4. What will be the output of the following Java program?

```
class bitwise_operator
    {
        public static void main(String args[])
        {
            int var1 = 42;
            int var2 = ~var1;
            System.out.print(var1 + " " + var2);
        }
    }
```

a) 42 42
b) 43 43
c) 42 -43
d) 42 43

Q5. What should be expression1 evaluate to in using ternary operator as in this line?

expression1 ? expression2 : expression3

a) Integer
b) Floating – point numbers
c) Boolean
d) None of the mentioned

Answers:

Ans 1 : c) False

Ans 2 : b) Compile time error as cannot assign a variable to another variable

Ans 3 : c) I = 19, j = 29, k = -20

Ans 4 : c) 42 -43

Ans 5 : c) Boolean