

Worksheet

2

Name:

Roll No: Class: Section:

Date:

OPERATORS IN JAVA

Chapter-5

1. Write the output of the following.

- (a) `int m, p;`
`m = 5;`
`p = 0;`
`p = m-- + --m;`
- (b) `int a=7, p=0, q=0;`
`p= ++a + --a;`
`q -= p;`
- (c) `int m=8;`
`m*=8;`
`System.out.println("The output =" + m);`
- (d) `double c;`
`int x, y, z;`
`x = 5; y = 10; z = 11;`
`c = x*y+z/2;`

2. Differentiate between the following.

- (a) Arithmetical operator and Logical operator
- (b) Logical AND (&&) and Logical OR(||)
- (c) `System.out.print()` and `System.out.println()`
- (d) A counter and an accumulator.

3. Tick (✓) the correct option.

- (a) What will be the output of a & b in the following, if `int a, b; a=10; b=a++;`
- | | | | |
|--------------|--------------------------|-------------|--------------------------|
| (i) 11, 11 | <input type="checkbox"/> | (ii) 10, 10 | <input type="checkbox"/> |
| (iii) 11, 10 | <input type="checkbox"/> | (iv) 9, 10 | <input type="checkbox"/> |
- (b) The statement `n += 4` is equivalent to:
- | | | | |
|------------------------|--------------------------|-------------------------|--------------------------|
| (i) <code>++n</code> | <input type="checkbox"/> | (ii) <code>n=n+4</code> | <input type="checkbox"/> |
| (iii) <code>n+1</code> | <input type="checkbox"/> | (iv) none of these | <input type="checkbox"/> |
- (c) Which of the following operators compare two expressions and return a boolean value?
- | | | | |
|----------------|--------------------------|-----------------|--------------------------|
| (i) Arithmetic | <input type="checkbox"/> | (ii) Logical | <input type="checkbox"/> |
| (iii) Binary | <input type="checkbox"/> | (iv) Relational | <input type="checkbox"/> |
- (d) Which of the following operators contains three operands?
- | | | | |
|--------------|--------------------------|--------------|--------------------------|
| (i) Unary | <input type="checkbox"/> | (ii) Ternary | <input type="checkbox"/> |
| (iii) Binary | <input type="checkbox"/> | (iv) Logical | <input type="checkbox"/> |