

Worksheet

Name:

Roll No: Class: Section:

Date:

OPERATORS IN JAVA

Chapter-4

1. Define the following.

- (a) Hierarchy of operators
- (b) Procedure of operators
- (c) Arithmetic operators
- (d) Accumulator
- (e) The && operator
- (f) Assignment operator

2. What will be the output of the following codes? Also, explain the output.

- (a) `int k=5, j=9`
`k+= k++ - ++j + k;`
`system.out.println("k="+);`
`system.out.println("j="+j);`
- (b) `y+= ++y + y-- + --y;` when `int y=8`
- (c) `a+= a++ + ++a + --a + a--;` when `a = 7;`
- (d) If `int y = 10` then find `int z = (++y*(y+++5));`
- (e) `int a = 18; int b = 12;`
`boolean t = (a > 20 && b < 15)? true : false;`
- (f) `int a = 14, b = 4;`
`boolean x = (a > b) ? true : false;`

3. Write the Java expressions for the following.

- (a) $m = a^2 + b^2 / (a + b)$
- (b) $p = a^2 + b^2 + 2ab$
- (c) $z = x^3 + y^3 - y / z^3$
- (d) $z = 5x^3 + 2yx + y$