

Worksheet

2

Name:

Roll No: Class: Section:

Date:

CONDITIONAL CONSTRUCT IN JAVA

Chapter-7

1. State whether the following statement is true or false.

- (a) In the switch statement, satisfied condition returns true else returns false.
- (b) The control keeps on executing from the first statement and continues till the last statement.
- (c) You can omit the break statement if you want to execute more than one case of a switch statement.
- (d) To exit abnormally, we use System.exit (0).
- (e) Switch is a conditional statement.

2. Fill in the blanks.

- (a) The function is used to stop the program immediately whenever required.
- (b) The is optional to use with every case in the switch statement.
- (c) The "switch" block is a statement.
- (d) The "if-else..... if" statement is a flow of control.
- (e) The if statement insulates another if statement is called

3. Answer the following questions.

- (a) Find the output:

```
int a = 65, b = 66
System.out.println ((char) a > (char)b) ? (char) (65 + 32)
                : (char) (66 + 32)
```
- (b) Rewrite the following program using the if-else statement.

```
String grade = (marks >= 95) ? "A" ; (marks >= 80) ?
                "B" : "C" ;
```
- (c) Write a program using an if-else statement to check whether the triangle is an equilateral, isosceles, or scalene triangle?
- (d) Convert the following to ternary operator format.

```
double comm;
if (sales >= 20000)
comm = 5.0/100.0 * sales;
else comm = 2.5/100.0 * sales;
```
- (e) Write code in ternary form to check whether the number is even or odd?