Worksheet

2

Name: ....

Roll No: .... Class: .... Section: ....

Date: ....

DECISION MAKING IN PYTHON

Chapter-8

Class -10

1. Write short notes on the following:
   (a) Decision making statement
   (b) if statement
   (c) if…else statement
   (d) if…elif…else statement

2. Draw the flowchart for the following:
   (a) if statement
   (c) if…else statement
   (d) if…elif…else statement

3. Write Python program for the following:
   (a) To enter a number and check whether it is even or odd.
   (b) To enter two numbers and print the sum of them if the first number is less than the second number otherwise print the product of both the numbers.
   (c) To calculate simple interest, if the time is less than 5 years then the rate of interest will be 6% otherwise it will be 6.5%.

4. Answer the following questions:
   (a) What is the difference between if and if…else statements.
   (b) Which block is executed in the if…elif…else statement if none of the conditions evaluates to true?

5. Find the error in the following code and rewrite it correctly:
   (a)
```
a = 10
b = 20
if(a = b)
        print a
else
        print b
```
   (b)
```
a=10
b=16.5
print("a="+a+"b=",b)
```

Grade: ★ ★ ★ ★ ★

Teacher's Signature: ....