

Bishop Cotton School, Shimla

Class 9

Subject: Computer Application

Assignment

(01.04.2020 to 14.04.2020)

Section A

[Short Type Questions]

1. What is the difference between assignment operator (=) and relational operator (==)?
2. Identify the errors in the following java statements and correct them:
 - a. long number = 50,000;
 - b. boolean var = 1;
 - c. int sum = +10;
 - d. int x/10 = y;
 - e. short x+5 = 15;
 - f. char a1 = "\0";
 - g. byte a1 == 5;
3. If a stores 45, b stores 2, c = a%b. What value is stored in c?
4. The result returned by the following java statements is :

```
int x =5; x * = 5;
System.out.println("Result="+x);
```
5. float x = 5; double c, y = 10;
int z = 51;
c = x * y + z/2.5;
Value stored in c is:
6. float c, x = 0;
double y = 110.2;
int z = -5;
c = (float) (x * y + z/2.5);
value in c is:
7. Write the output for the below java program segment:

```
System.out.print("This sounds interesting...");
System.out.println("This sounds more interesting...");
```
8. Write the output for the below java program segment:

```
System.out.println("2="+ 1 +1);
System.out.println("2=" + (1 + 1)*1);
System.out.println();
System.out.println("Whooops...");
```
9. Write a java statement to create two objects of class "Toy" named 'Soft toy' and 'Electronic toy'
10. Which package has defined the class System?

Section B

[Long Answer Type Questions]

Programs Using Scanner Class. Kindly refer to page no 90 for Scanner Class in your Arya Publishing Company, Computer Book.

1. Write a program in Java to input name of your friends and display 'Hello' to them in a sequence in line below the other.
2. The acceleration due to gravity is given by the formula: $g = 32.17 (4390/4390/h)$. Write a program in Java to find the value of g.
3. Write a program in Java to input the name of a student and his marks in three subjects. Print the total marks obtained along with his percentage.
4. Write a program in Java to print the Fahrenheit equivalent of the centigrade temperature taken as input from the user.
5. Write a program in Java to input principal, rate and time. Calculate and display the simple interest.
6. Write a program in Java to print the calculated compound interest and amount when principal, rate and time is taken as input from the user $CI = (P*(1 + r/100)$ to the power of t
 $A = P + CI$
7. Write a program in Java to input name and basic salary of an employee. Calculate and display the gross salary and net salary when:
Da = 30% of basic
Hra = 12.5% of basic
Pf = 10% of basic
Gross = basic + da + hra
Net pay = gross - pf
