**P. P. Memorial Academy**

**Unit - IV (Online)**

**Class – VIII**

**Subject: Computer**

**Session: 2021 – 2022**

**Time: 40 minutes Full Marks: 30**

**Name: ……………………………………………………………………………………….**

**Class: ……………………………………………………………………………………….**

**Subject: ………………………………………………………………………………….**

**A. Multiple Choice Question 15 x 1 = 15**

1, Which of the following is not a data type in java?

a. int b. String

c. decimal d. char

2. Which of the following is not a keyword in Java?

a. public b. static

c. void d. main

3. Wrapping of data and function together is called:

a. Encapsulation b. Data Hiding

c. Inheritance d. Polymorphism

4. “Machine level language needs a language translator”. The statement is:

a. True b. False

5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is an example of Low Level Language:

a. Assembly Language b. Machine Language

c. Query Language d. None of the above

6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ converts the source program line by line.

a. Compiler b. Assembler

c. Interpreter d. None of the above.

7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ emphasizes on data rather than functions.

a. Assembly Language b. Procedure Oriented Language

c. Object Oriented Language d. None of the above

8. Low Level Language is machine \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a. Dependent b. Independent

c. Oriented d. None of the above

9. Programs written in High Level Language are easier to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a. Write b. Read

b. Create d. None of the above

10. Find the output of the following program:

int a=5, c=3;

a+= a++ \* --a / a-- + c++;

a. 2 b. 3

c. 4 d. -1

11. Find the output of the following program:

int math=87, comp=97;

char grade=(math>comp)?'M' : 'C';

a. C b. M

c. CM d. MC

12. Write the output of the following program:

int x=90,y=90;

boolean br=true;

if(x>=y)

br=true;

else

br=false;

System.out.println(br);

a. true b. false

13. “Java programming language is used in the most of the gadgets we see”. The statement is:

a. True b. False

14. Find the final values of x and y from the following programs:

a. 0, 20 b. 20, 0

c. 19, 20 d. 20, 19

15. Find the output from the following program segment:

System.out.println((15<=16)?"Fifteen":"Sixteen");

a. Fifteen b. Sixteen

c. Seventeen d. None of the above

**B. Write any BOTH the Java program from the following programs:**

1. WAP to take the input of a month number and year and print the number of days in month either using *if condition* or using *switch case*. If the year is a leap year then it will print the 29 days in February, else it will print the 28 days in. **7**

**Input:**

Enter the month number : 9

Enter the year : 2021

Month name : September

No. of Days : 30

2. WAP to take input of three angles of a triangle and then: **8**

i) If the construction of the triangle is possible. (The summation of the angles of the triangle will always be 180°)

ii) Determine if it is an equilateral triangle or right angled triangle or obtuse angled triangle.

**Hints:**

Equilateral Triangle: every angle is 60°

Right Angled Triangle: one angle is 90°

Obtuse Angled Triangle: one of the angle is more than 90°