

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°