**P. P. Memorial Academy**

**Unit V (Offline)**

**Class – VIII**

**Subject: Computer**

**Session: 2021 – 2022**

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

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Class: \_\_\_\_\_\_\_\_\_\_\_\_ Section: \_\_\_\_\_\_\_\_\_\_\_ Roll: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Instructions:**

* Write your answers on this question paper only.
* Question paper is divided into three parts. **Part A** is forMCQs’ and **Part B** is for Questions and Answers and **Part C** is for Java programming.
* Read the question paper and all the instruction very carefully before answering the questions.
* All the questions are mandatory.
* Tick the correct option. Do not tick more than one option in a single question.
* Don’t need to copy any the question.

**PART A: Multiple Choice Questions: 1 x 10 = 10**

1. Java can be used:

a. For online b. For offline

c. All of the above d. None of the above

2. Which of the following is not a token in java?

a. Identifier b. Value

c. Keyword d. Operator

3. “Java doesn’t have an exponent operator” – the statement is:

a. True b. False

4. The data types which are independent of any other type, are known as

a. Primary data type b. Primitive data type

c. Basic data type d. Original data type

5. “Java Application is used for the standalone program whereas Java Applets are used in HTML” – in this statement: **1**

a. The first part is true b. The second part is true

c. The whole statement is false d. The whole statement is true

6. Program that written in Java is known as the: **1**

a. Object code b. Machine code

c. Byte code d. Source code

7. “If condition either can be TRUE or FALSE” – the statement is:

a. True b. False

8. Writing an ‘if’ condition inside an ‘if’ condition is known as:

a. Nesting b. Blocking

c. Indenting d. None of these

9. The class in java is known as:

a. Class factory b. Object Factory

c. Instance of function d. None of the above

10. An object in java carries all the characteristics of a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a. Method b. Function

c. Class d. Instruction

**PART B: Write the following programs in Java (ANY TWO) 2 x 10 = 20**

1. Write a program to find out if a person is eligible for vote?

**Hints:** If the age of the person is more than or equal to 18 years then he/she is eligible for vote/

2. Write a program to find out if an item is expensive or inexpensive or affordable?

**Hints:** If the cost of the item is more than ₹ 10,000 then it is “expensive”, if it is more than ₹ 5,000 and less than ₹ 10,000 then it is “affordable” and if it is less than ₹ 5,000 then it is “inexpensive”.

3. Write a program to calculate either the Area of a Square or Area of a Rectangle depending on the user’s input using the switch case.

**Hints:**

**Input:**

Enter 1 for Square 2 for Rectangle

1

Enter the side of the Square: 5

**Output:**

The area of the Square: 25