B.Voc. (Software Development) (Sem.–2)
OBJECT ORIENTED PROGRAMMING SYSTEM WITH JAVA
Subject Code : 5.GV.07
M.Code : 77039
Date of Examination : 08-07-22

Time : 3 Hrs.   **Max. Marks : 30**

INSTRUCTIONS TO CANDIDATES :
1. **SECTION-A is COMPULSORY consisting of TEN questions carrying ONE mark each.**
2. **SECTION-B contains FIVE questions carrying $2^1/_2$ (Two and Half) marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying FIVE marks each and students have to attempt any TWO questions.**

SECTION-A

1. **Write briefly :**

   a) What are data types?

   b) Define Type Casting.

   c) Discuss briefly the need of static members.

   d) How method overriding is carried out?

   e) What is meant by two dimensional Arrays?

   f) How a class is added to a package?

   g) What is main thread?

   h) Comment on thread exceptions.

   i) Name any two functions of the Applet class.

   j) Discuss the method of executing an Applet.

SECTION-B

2. What are Relational operators? Write a Java code to demonstrate the working of relational operators. 2.5

3. Discuss the usage of Finalize method by writing a Java code snippet. 2.5

4. Explain the following concepts :

   a) String 1

   b) Hiding Classes 1.5

5. Explain different methods for maintaining Threads. 2.5

6. Write a simple Applet code for getting input from user. 2.5

SECTION-C

7. What is while-loop statement? Write a Java code for finding whether a number is Prime or not using while loop. 5

8. Discuss the following concepts for object oriented programming :

   a) Creating Objects 2

   b) Visibility Control 3

9. Write short notes on the following concepts :

   a) Stopping and Blocking a Thread. 2

   b) Adding an Applet to HTML file. 3

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.