

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Voc. (Hardware and Networking) (Sem.-2)

**PROGRAMMING IN JAVA**

Subject Code : BVHN-202

M.Code : 76312

Date of Examination : 12-07-22

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

**SECTION-A**

1) Write briefly :

- a) What do you mean by bytecode?
- b) What are classes and objects?
- c) What is inheritance?
- d) What is method overriding?
- e) Explain the importance of final class.
- f) What is an interface?
- g) Explain the importance of finally block in exception handling.
- h) Define thread.
- i) What are applets?
- j) What is file class?

## SECTION-B

- 2) Why Java is known as a platform-independent language? Explain.
- 3) Write a Java program that takes an integer number 'n' and calculates factorial of that number 'n'.
- 4) What are the constructors used for? Can constructors be overloaded? Write a program in support of your answer.
- 5) What are exceptions? How are they handled in Java?
- 6) Explain the use of overriding the following methods for an applet :
  - a) init( )
  - b) start( )
  - c) stop( )
  - d) destroy( )
  - e) paint( )

## SECTION-C

- 7) What are packages? How are they created and used? Explain in detail.
- 8) What is thread priority? How can it be set for a thread? Explain with the help of a program.
- 9) How polymorphism is achieved in Java? Explain with the help of a program.

**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.**