

**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.**