

**Roll No.**

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**Total No. of Pages : 02**

**Total No. of Questions : 07**

**B.Sc. (CS) (Sem.-5)**  
**PROGRAMMING IN JAVA**

**Subject Code : BCS-505**

**M.Code : 72578**

**Date of Examination : 21-12-22**

**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 **SIX** questions carrying **TEN** marks each and students have to attempt any **FOUR** questions.

## SECTION-A

**1. Answer briefly :**

- a) Write two applications of OOP.
- b) How Java differs from C++?
- c) How web browsers are used in Java?
- d) Write about Java Virtual Machines?
- e) What are static members in Java?
- f) What are string functions?
- g) Write about interfaces in Java.
- h) What is use of Applets in Java?
- i) Give introduction of Rectangle in Graphics class.
- j) Write about Action Listener Event Handling.

## SECTION-B

2. Explain following
  - a) Data Types in Java
  - b) Looping Statement in Java
3. Discuss various operators and expression available in Java. Show their syntax.
4. What are system packaged in Java? How the packages are created?
5. How the error and exception are managed in Java? What is Try and Catch?
6. Explain graphics programming basics? Write its basic user functioning components.
7. What is Java I/O Handling? Discuss data I/P and O/P streams.

**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.**