

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. (Electronics & Communication Engineering) (Sem.-5)

**PROGRAMMING IN JAVA**

Subject Code : BTEC-905D-18

M.Code : 78710

Date of Examination : 14-12-2023

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) JDK
- b) Static
- c) Abstract class
- d) Random Access Files
- e) StringBuffer
- f) JDBC
- g) Synchronization
- h) ODBC
- i) Scanner class
- j) Swing.

## SECTION-B

2. What are the differences between C++ and Java?
3. Explain the need of Wrapper classes in Java.
4. Write a program to copy one file into another in java.
5. Discuss the concept of Exception Handling in detail.
6. Discuss event handling and various Event Listener.

## SECTION-C

7. What are the advantages of using Packages and write steps how we can create and use Package in Java.
8. Explain CORBA, Java Beans and RMI.
9. Explain life cycle of an Applet with the help of an example and create a GUI based application in Applet to add two numbers.

**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.**