

# LNCT UNIVERSITY, BHOPAL

Enrollment No. \_\_\_\_\_

**CS-304 (A)**

**B.TECH III SEMESTER**

**EXAMINATION [DECEMBER-2024]**

**INTRODUCTION TO JAVA PROGRAMMING**

**Maximum Marks: 70**

**Time Allowed: 3Hours**

**Note:- Attempt all questions. Internal choice is given.**

## (SECTION -A)

**1. Short Answer Type Question (Attempt Any Five) [5x6=30]**

- i. What are features of Java?
- ii. What are abstract classes explain with example ?
- iii. Does java supports multiple inheritance? If yes then how?
- iv. Difference between input stream class and output stream class?
- v. Explain different way of using thread?
- vi. Define JDBC-ODBC Bridge in java.
- vii. What is Stream and Stringtokenizer?

## (SECTION -B)

**2. Long Answer Type Questions (Attempt Any Four) [4x10=40]**

- i. What do you understand by multithreading in java?.
  - ii. What is interface in java and What is Extending interface in java?
  - iii. Write a program for reading data from a file using Character Stream classes?
  - iv. What is the difference between method overloading and overriding?
  - v. What is Constructor in java? Why constructor does not have return type in java? Explain it with proper example
  - vi. Explain Architecture of JDBC?
  - vii. What is daemon thread and which method is used to create the daemon thread?
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