

FACULTY OF INFORMATICS

**M.C.A. (2 Years Course) I- Semester (CBCS) (Main & Backlog) Examination,
April/May 2023**

Subject: OOP Using java

Time: 3 Hours

Max. Marks: 70

Note: I. Answer one question from each unit. All questions carry equal marks.

II. Missing data, if any, may be suitably assumed.

Unit – I

1. a) Give an overview of java programming language.
- b) Write a java program to implement switch statement.

(OR)

2. a) Write the procedure to create and use packages in a java program.
- b) Discuss about the operators in java.

Unit – II

3. a) With the help of a program, explain about the FileInputStream.
- b) Write the various methods relevant to String comparison.

(OR)

4. a) Explain the methods of Thread class.
- b) Describe about the usage of try and catch block.

Unit – III

5. a) Write notes on LinkedList class.
- b) Explain the concept of comparators.

(OR)

6. a) Illustrate the use of an iterator.
- b) Give an overview of RandomAccess interface.

Unit – IV

7. a) Explain the delegation event model.
- b) Describe how to draw a rectangle in java program.

(OR)

8. a) Write notes on working with frame windows.
- b) Demonstrate how to handle button in AWT.

Unit – V

9. a) Implement a java program to write data into a file.
- b) Differentiate between AWT and Swing packages.

(OR)

10. a) Explain the functionality of InetAddress class.
- b) Write a java program to create, load and display an image.