

FACULTY OF INFORMATICS
M.C.A. (3 Years Course) II Semester (CBCS) (Backlog) (Old) Examination,
October / November 2023

Subject: Principles of Object Oriented Programming 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) Discuss Object Oriented System Development in detail.
b) Explain the Inheritance with proper example.

(OR)
2. a) What is an Array. Write a program to demonstrate matrix multiplication.
b) Describe Control statements in java.

Unit – II

3. a) Discuss String handling methods.
b) Describe the Exception Handling mechanism in java.

(OR)
4. a) Explain Multithreading with an example.
b) Write about the Printer Writer Class.

Unit – III

5. a) Discuss Collection Interfaces.
b) Explain Iterator class & Comparator interface.

(OR)
6. a) Write short notes on String Tokenizer & Timer classes.
b) Describe Legacy classes and Interfaces.

Unit – IV

7. a) Discuss Character Streams.
b) Describe Serialization.

(OR)
8. a) Explain methods of File class.
b) What are the various I/O classes and Interfaces?

Unit – V

9. a) Discuss the Applet class in detail.
b) Describe Delegation Event Model.

(OR)
10. a) How to handle Mouse Events?
b) Discuss Text related GUI components.
