

FACULTY OF INFORMATICS

M.C.A. (CBCS) II-Semester (Backlog) (2019-2020 Batch) (Old)

Examination, April 2022

Subject: Principles of Object Oriented Programming Using Java

Time: 3 Hours

Max. Marks: 70

(Missing data, if any, may be suitably assumed)

Note: Answer any five questions from the following. All questions carry equal marks.

1. a) Explain the fundamental concepts of object-oriented development.
b) Write about control statements in Java.
2. a) Discuss various operators used in Java.
b) Write a note on packages in Java with example.
3. a) What do you mean by Exception Handling? Explain about exception types.
b) Write a note on creating own exception subclasses.
4. a) Give an overview on Print Writer Class.
b) What is String Handling? Explain about special String operations.
5. a) Explain about Wrappers in Java. Lang.
b) Describe the map interfaces and sorted map interfaces
6. a) What is Iterator? Explain how Assessing a collection via an iterator.
b) Write about comparators with example.
7. a) Discuss in brief about Java I/O Classes.
b) Write a note on Stream Classes.
8. a) Explain File Output Stream with example.
b) Write a note on Byte Array Output Stream with example.
9. a) Discuss in brief about Event Handling.
b) Explain about Action Event Class and Adjustment Event Class.
10. a) Discuss in brief about different types of Layout Managers.
b) Explain about Menus and Menu bars
