FACULTY OF INFORMATICS

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

Examination, April 2022

Subject: Java Programming

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) Introduce the object concept.
    b) Give the data types in java.

2   a) Define student class and explain it.
    b) How is inheritance implemented in java.

3   a) Write the basics of I/O.
    b) How to read characters. Illustrate with an example program.

4   a) Describe print writer class.
    b) Create a thread by implementing runnable.

5   a) Explain primitive type wrappers.
    b) Illustrate list interface with a program.

6   a) Explore the hashset class.
    b) Give the significance of iterators.

7   a) Write notes on AWT classes.
    b) Write java program to draw ellipses and circles.

8   a) With a program describe handling of checkboxes.
    b) Describe grid layout with an example.

9   a) What are the key features of Swing?
    b) Write about java I/O classes.

10 a) Introduce the networking basics.
    b) How to create an image in java.

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