

2019

MSc

2nd Semester Examination

OOPS using Java

PAPER – COS-203(M1)

Full Marks : 25

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their
Own words as far as practicable.

Illustrate the answers wherever necessary.

Group-A

1. Answer any **TWO** questions:

2x2=4

- a) How command line arguments are passed in a Java program?
- b) Distinguish object and class.
- c) Discuss the use of final and static keyword in Java.
- d) How is an applet different from an application?

Group-B

2. Answer any **TWO** questions:

4x2=8

- a) Discuss the properties of object-oriented programming with examples.
- b) Explain abstract class and its difference with interface.
- c) Discuss the use of super and this keyword using proper examples.
- d) Describe the Delegation Event Model in Java.

Group-C

3. Answer any **ONE** question:

8x1=8

- a) i) What is Exception? What are the different types of exceptions? 2+2
- ii) Discuss exception handling in detail. 4
- b) i) What is multithreading? Discuss how multithreaded applications are created and used in Java with an example. 2+4
- ii) Discuss any four String handling functions used in Java. 2

[Internal Assessment:5]