

FACULTY OF INFORMATICS

M.C.A. I - Year II – Semester (Suppl.) Examination, December 2014 / January 2015

Subject: Principles of Object Oriented Programming

Time: 3 Hours

Max.Marks: 80

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

Unit – I

- 1 a) What are the object oriented concepts? Explain.
b) Discuss the various control statements in Java.

OR

- 2 a) Explain the concept of method overloading.
b) What is an array? Write a Java program to demonstrate inheritance.

Unit – II

- 3 a) What is an exception hierarchy? Write a Java program to handle arithmetic exception.
b) Explain how threads are created in Java.

OR

- 4 a) Write about print writer class.
b) Write a program to read console input and output.

Unit – III

- 5 a) What are collection classes? Explain with examples.
b) Explain the use of Timer.

OR

- 6 a) Write the usage of legacy classes.
b) Discuss about maps and comparators.

Unit – IV

- 7 a) What is a stream? Write a program to copy the content of one file to another file.
b) Write briefly about files.

OR

- 8 What are character streams? Explain them with suitable examples.

Unit – V

- 9 a) Define an applet. Explain about life cycle methods of an applet with a program.
b) Explain the event handling mechanism.

OR

- 10 What are layout managers? Explain them with examples.
