

R09

Code No: 09A40503

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

B.Tech II Year II Semester Examinations, November/December 2013

OBJECT ORIENTED PROGRAMMING

(Common to CSE, IT)

Time: 3 hours

Max. Marks: 75

**Answer any five questions
All questions carry equal marks**

- 1.a) What is a class and object? Is there any relationship between them? Explain.
- b) What is a member function and data members? Explain briefly. [8+7]
- 2.a) What is the order of invoking constructors for the classes that make up the hierarchy? Explain.
- b) Discuss the need for overriding methods. [8+7]
- 3.a) Define multiple inheritance. Does Java Support multiple inheritance? Justify your answer.
- b) Write java program to implement the multilevel Inheritance. [8+7]
- 4.a) Discuss in detail about nested Interfaces.
- b) What happens when an Interface is partially implemented? Explain. [8+7]
- 5.a) Discuss with a sample Java program explaining the need of defining multiple catch clauses.
- b) What is meant by nested try statements? When will they be used? Explain it with a sample Java program. [8+7]
6. What are the various methods defined in the Thread class? Explain their usage with a sample Java program. [15]
- 7.a) What are the advantages of Layout managers? Explain the different Layout Managers AWT supports.
- b) What is preferred size of a component and how it is related to the Layout Managers? [8+7]
- 8.a) Discuss various constructors and methods that are defined in the JComboBox class and JComponent class.
- b) Write a sample Java program to show how to create Combo boxes and labels. [8+7]
