

**B.Tech. Degree VII Semester (Supplementary) Examination,
July 2009**

**CS 702 OBJECT ORIENTED MODELLING AND DESIGN
(1999 Scheme)**

Time: 3 Hours

Maximum Marks: 100

- I Write Short note on: (4 x 5 = 20)
- i) Encapsulation
 - ii) Polymorphism
 - iii) Aggregation
 - iv) Class hierarchy
- OR**
- II a) Differentiate between static binding and dynamic binding? (10)
- b) Describe object oriented system development life cycle? (10)
- III a) Explain different object modelling techniques. (10)
- b) Explain the basic building blocks of UML. (10)
- OR**
- IV a) What is UML dynamic modeling using a simple example? (10)
- b) Explain model management packages and model organization? (10)
- V a) Explain the analysis model using object oriented concept? (10)
- b) Define use cases and explain use case driven object oriented analysis? (10)
- OR**
- VI a) What are boundary objects and explain with suitable example? (10)
- b) What is business process modeling? (10)
- VII a) What is UML object constraint language? (8)
- b) What is interface specification concept and object constraint language? (12)
- OR**
- VIII a) Explain with example, specification inheritance and implementation inheritance in object oriented design. (10)
- b) What are the various guidelines for designing classes? (10)
- IX Explain the concept of distributed databases and distributed objects? (20)
- OR**
- X a) Explain RMI and Sockets? (6)
- b) Differentiate between a process and port. (7)
- c) What are the various testing strategies? (7)

