

Code No: B5804

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.TECH II SEMESTER EXAMINATIONS, APRIL/MAY 2012
OBJECT ORIENTED ANALYSIS AND DESIGN
(COMPUTER SCIENCE AND ENGINEERING)**

Time: 3hours**Max. Marks: 60**

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

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1. Discuss the need of modeling. Discuss in detail the conceptual model of the UML.
- 2.a) What are the various types of relationships? Explain their usage with suitable examples.
b) What are common mechanisms? Discuss their usage with suitable examples.
- 3.a) Compare class diagram with object diagram.
b) Draw a class diagram for a library information system.
4. What are interaction diagrams in the UML? Discuss with suitable examples how to draw interaction diagrams.
- 5.a) Discuss the role of use cases while modeling a system.
b) State and explain the common modeling techniques of use case diagrams.
- 6.a) Discuss the common modeling techniques of process and threads.
b) Discuss state chart diagram with an example.
- 7.a) What is a deployment diagram? Discuss its significance.
b) List out various common modeling techniques of component diagrams and explain any two of them.
- 8.a) Draw the usecase diagram and write usecase descriptions of the Unified Library application.
b) Discuss how to model time and space in the UML.
