

**R09**

**Code No: C0505, C5805, C2502**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**M.Tech I - Semester Examinations, March/April-2011**

**OBJECT ORIENTED MODELING**

**(COMMON TO COMPUTER SCIENCE, COMPUTER SCIENCE AND ENGINEERING,  
SOFTWARE ENGINEERING)**

**Time: 3hours**

**Max. Marks: 60**

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

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1. Discuss the principles of modeling. And also discuss clearly the conceptual model of the UML. [12]
2. State and explain with an example various steps in developing a Class Diagram. [12]
3. Discuss the common modeling techniques of Events and Signals with suitable examples. [12]
4. What is meant by Architectural modeling? What are UML diagrams can be used for it? Explain them briefly. [12]
5. Discuss how the Unified Process is a use case driven, architecture centric and incremental process. [12]
6. Discuss the advantages of iterative incremental process. Discuss about capturing, analyzing and designing use cases. [12]
7. Discuss the Elaboration phase in detail. [12]
8. Write short notes on the following:
  - a) Transition phase
  - b) Testing the use cases
  - c) Object diagrams. [12]

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