Code No: C0505, C5805, C2502
**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.TECH I - SEMESTER EXAMINATIONS, APRIL/MAY-2012
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 importance of modeling. What are the nine basic concepts that are central to Object Orientation? Explain them with suitable examples.

2.   What are object interaction diagrams? Discuss their significance. Discuss the common uses of object interaction diagrams.

3.a)   Distinguish between Activity diagram and State Chart diagram. Discuss with examples.
  b)   How exceptions can be modeled in the UML?

4.   What are the common modeling techniques of Component diagrams? Explain them clearly with suitable examples.

5.   Discuss the terms use case driven, architecture centric and incremental with respect to the Unified process.

6.   What are four P's? Explain them clearly with illustrations.

7.a)   "The iterative approach is risk driven". Substantiate this statement.
  b)   Explain the Inception phase.

8.   Write short notes on the following:
  a)   Construction phase
  b)   Use case prioritization
  c)   Callback mechanism.

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