Code No: D109115805

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.Tech I Semester Regular Examinations March/April 2010
OBJECT ORIENTED MODELING
(COMMON TO COMPUTER SCIENCE & ENGINEERING, COMPUTER SCIENCE, SOFTWARE ENGINEERING)

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

Answer any five questions
All questions carry equal marks
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1.a) What is meant by modeling? Explain with an example the object oriented modeling.
  b) What is meant by Software Architecture? Explain.
  c) Explain about object identity.

2.a) How do you model a vocabulary of a system in UML?
  b) What are the Common properties and uses of class diagrams?

3.a) Compare and Contrast Sequence and Collaboration Diagrams? Discuss how we can model polymorphism in UML
  b) Explain how call back mechanism is depicted in UML. Illustrate.

4.a) What is the significance of Use Case Diagrams and Activity Diagrams in UML.
  b) Explain how the modeling the lifetime of an object is done.

5.a) Compare and Contrast use case driven approach with architecture centric approach. Specify where they can be applicable.
  b) Discuss different relationships used in use case diagrams with a suitable examples.

6.a) Discuss the activities in the Inception phase.
  b) Draw a use case diagram to model the behavior of a cellular phone. Explain briefly.

7.a) Briefly explain the Generic iteration workflow.
  b) Draw the State chart diagram for the Software simulator application.

8.a) Discuss the activities in Transition phase.
  b) Draw the Interaction diagrams for the Automation of a library. Explain the objects involved in interactions.

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