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06CS71

Seventh Semester B.E. Degree Examination, June/July 2011
Object Oriented Modeling and Design

Time: 3 hrs.

Max. Marks:100

Note: *Answer any FIVE full questions, selecting*
at least TWO questions from each part.

PART – A

1 a. What is OO development? Explain OO methodology and what are OO themes? **(10 Marks)**
   b. What is modeling concept? Explain. Write class model of windowing system. **(10 Marks)**

2 a. Explain associations and aggregation, with examples. **(10 Marks)**
   b. Explain state diagram and write state model for telephone line, with activities. **(10 Marks)**

3 a. Explain nested states and nested state diagrams, with example. **(10 Marks)**
   b. Explain use case and sequence model, with example. **(10 Marks)**

4 a. Explain process overview and system conception. **(10 Marks)**
   b. Describe domain analysis, with an example of ATM. **(10 Marks)**

PART – B

5 a. Describe application analysis, with an example of ATM. **(10 Marks)**
   b. What is system design? What are the steps of a system design? Explain in detail. **(10 Marks)**

6 a. Explain class design. What are the steps of class design? Explain with an example ATM.
      (10 Marks)
   b. Explain implementation modeling in detail. **(10 Marks)**

7 a. Explain communication patterns. **(10 Marks)**
   b. Explain management patterns. **(10 Marks)**

8   Write a note on :
   a. Unified Modeling Language (UML).
   b. Procedural sequence models.
   c. Legacy systems.
   d. Idioms. **(20 Marks)**

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