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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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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg. 42+8 = 50, will be treated as malpractice.