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Question Paper Code : 11149

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2014.

Sixth Semester

Computer Science and Engineering

080230028 — OBJECT ORIENTED SYSTEM DESIGN

(Regulation 2008)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is Object Model?
2. What is abstraction?
3. What is N-ary association?
4. Define States and Events.
5. What is purpose of class model?
6. What is System conception?
7. What are architectural styles?
8. What is recursing downward?
9. State the need for fine tuning.
10. How is robustness measured in OO Programming?

PART B — (5 × 16 = 80 marks)

11. (a) What is modeling? Explain Object Modeling Technique (OMT) in detail.

Or

- (b) Draw a class model with necessary associations, generalization, Inheritance, abstraction for video rental system.

12. (a) Explain Activity model in detail with an example. Mention the guidelines of Activity model.

Or

- (b) Explain the state diagram behavior with an example.

13. (a) What is Elaboration? Illustrate how a system concept is elaborated in preparing a problem statement.

Or

- (b) What is a Domain model? With an example illustrate Domain class model, state model and interaction model in detail.

14. (a) Explain handling of global resources and boundary conditions in detail.

Or

- (b) Discuss Refactoring and Reification in detail.

15. (a) Summarize the practical tips for implementing the functionality of realization and generalization associations using ATM model.

Or

- (b) Explain in detail about object oriented database and its implementation issues using ATM model.
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