

Question Paper Code : 10276

B.E./B.Tech DEGREE EXAMINATION, MAY/JUNE 2012.

Sixth Semester

Computer Science and Engineering

CS 2353/CS 63/10144 CS 603 — OBJECT ORIENTED ANALYSIS AND DESIGN

(Common to Information Technology)

(Regulation 2008)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is UML?
2. List the relationships used in use cases.
3. What is Elaboration?
4. Define Aggregation and Composition.
5. What is the use of System sequence diagram?
6. Define Package and draw the UML notation for Package.
7. When to use Patterns.
8. Define Coupling.
9. What is the use of component diagram?
10. Give the meaning of Event, State and Transition.

PART B — (5 × 16 = 80 marks)

11. (a) Explain the different phases of Unified Process.

Or

(b) Explain with an example, how usecase modeling is used to describe functional requirements. Identify the actors, scenario and use cases for the example.

12. (a) Describe the strategies used to identify conceptual classes. Describe the steps to create a domain model used for representing conceptual classes.

Or

(b) When to use Activity diagrams. Describe the situations with an example.

13. (a) Compare Sequence Versus Collaboration diagram with suitable example.

Or

(b) (i) Describe the UML notation for class diagram with an example. (8)

(ii) Explain the concept of Link, Association and Inheritance. (8)

14. (a) (i) Describe the concept of Creator. (7)

(ii) Explain about Low coupling, Controller and High cohesion. (3 × 3 = 9)

Or

(b) Write short notes on adapter, singleton, factory and observer patterns. (4 × 4 = 16)

15. (a) Explain about Operation contracts.

Or

(b) Discuss about UML deployment and component diagrams with suitable example.