

OCTOBER 2011

**P/ID 17469/  
RCW/PCAT**

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Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) State the features of object oriented technology.

Or

- (b) Discuss about prototyping.

2. (a) Discuss about relationships among classes.

Or

- (b) Explain the following :

- (i) Multiplicity
- (ii) Qualifier
- (iii) N-ary association.

3. (a) How do design axioms help avoid design pitfalls?

Or

- (b) Discuss the relationship between coupling and cohesion.

4. (a) Explain about guidelines for using colors.

Or

(b) Explain about metaphor.

5. (a) Discuss about the need for testing.

Or

(b) Write notes on testcases.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Explain about software development life cycle.
7. Explain about unified approach.
8. Draw the class diagram for hospital management system.
9. Explain about design axiom.
10. Discuss about various UML diagrams.
11. Explain about the steps for designing classes with an example.

12. Discuss in detail about :
    - (a) Black box testing
    - (b) White box testing
    - (c) Top-down testing
    - (d) Bottom-up testing.
  
  13. Discuss about system usability and measuring user's satisfaction.
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