Reg. No. : ☐☐☐☐☐☐☐☐☐☐☐☐☐

Question Paper Code : 91356

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2014.

Sixth Semester

Computer Science and Engineering

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

(Common to Information Technology)

(Regulation 2008/2010)

(Common to PTCS 2353/10144 CS 603 – Object Oriented Analysis and Design
for B.E. (Part-Time) Fifth Semester – Computer Science and Engineering –
Regulation 2009/2010)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1.   What is OOAD?
2.   What is UML?
3.   What is Elaboration?
4.   Define Aggregation and Composition.
5.   List the relationship used in class diagram.
6.   What is the use of System sequence diagram?
7.   What is meant by Low Coupling?
8.   What is Design Pattern?
9.   What is the use of component diagram?
10. When are Contracts useful?

PART B — (5 × 16 = 80 marks)

11. (a)   Briefly explain the different phases of Unified Process.

Or

     (b)   (i)   Describe the basic activities in Object oriented analysis and explain,
                  how use case modeling is useful in analysis.   (10)

           (ii)   Explain about the Next Gen POS System.   (6)

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) Explain about activity diagram with an example.

13. (a) Illustrate with an example. the relationship between sequence diagram and use cases.

Or

(b) Describe the UML notation for class diagram with an example. Explain the concept of link, association and inheritance.

14. (a) Explain about GRASP Patterns.

Or

(b) Write short notes on adapter, singleton, factory and observer patterns.

15. (a) (i) Briefly explain about Operation contracts. (8)

(ii) Write short notes about deployment diagram. (8)

Or

(b) What is the purpose of state chart diagram? How to draw state chart diagram? Explain.

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