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Reg. No. :

Question Paper Code : 95314

5 Year M.Sc. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2015.

Sixth Semester

Software Engineering

ESE 064 — OBJECT ORIENTED ANALYSIS AND DESIGN

(Regulations 2010)

Time : Three hours Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is the fundamental characteristic of an object oriented programming?
2. Define encapsulation.
3. What is the reason for moving towards a unified approach?
4. What are the responsibilities of user interface layer?
5. List down the steps of object oriented analysis.
6. How will you identify actors?
7. What is a design pattern?
8. Differentiate coupling and cohesion.
9. What is a qualifier?
10. Write down the essential requirements of a modeling language.

PART B — (5 × 16 = 80 marks)

11. (a) Explain various phases of OOSD development life cycle in detail. (16)

Or

(b) Write short notes on:

(i) Inheritance. (10)

(ii) Polymorphism. (6)

12. (a) Give a detailed account on Booch methodology. (16)

Or

(b) Briefly explain the different phases of unified process. (16)

13. (a) (i) What is the role of CRC card in the design of object oriented software? (8)

(ii) How will you identify classes using noun phrase approach? Explain. (8)

Or

(b) Explain the use case driven approach in object oriented systems development. (16)

14. (a) Explain in detail about GRASP patterns. (16)

Or

(b) What are OOD axioms and their significances? Explain in detail. (16)

15. (a) List various UML diagrams and explain the purpose of each diagram. (16)

Or

(b) How will you use the use case modeling to describe functional requirements? Explain with example. (16)
