

Code: 15A05503

B.Tech III Year I Semester (R15) Supplementary Examinations June 2018

OBJECT ORIENTED ANALYSIS & DESIGN

(Common to CSE & IT)

Time: 3 hours

Max. Marks: 70

PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) What is monpolymorphsim?
 - (b) Mention any four attributes of complex system.
 - (c) When do you say two objects are synchronized?
 - (d) How do you measure quality of an abstraction?
 - (e) Define collaboration.
 - (f) In what way, the object diagram is used in reverse engineering.
 - (g) What are the different ways used to deploy the diagram?
 - (h) Mention the purpose of profile diagram.
 - (i) Define swimlanes. How it is used in sequential diagram?
 - (j) What is the difference between an event and an action?

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 (a) Why you need modularity? Explain with an example.
(b) Discuss about type of abstraction.

OR

- 3 (a) Briefly discuss about the structure of complex system.
(b) Compare OOP, OOD and OOA.

UNIT – II

- 4 Mention different kinds of class relationships. Explain with examples.

OR

- 5 How do you identify classes and objects using CRC, behavior and domain analysis?

UNIT – III

- 6 Draw the object diagram for any structural organization of any educational system.

OR

- 7 Briefly discuss about how do you model the distribution of responsibilities in a system with examples.

UNIT – IV

- 8 Compare component diagram and deployment diagram with an example..

OR

- 9 Why do we need package diagram in a project? Explain with an example.

UNIT – V

- 10 (a) Distinguish between sequence and collaboration diagrams.
(b) Generate a usecase diagram for interaction of a client within a restaurant (system).

OR

- 11 What are the various object participating in the hospital management system? Explain the object diagram that is associated with various interactions with a neat diagram.
