322678(22)

B. E. (Sixth Semester) Examination, April–May 2020

(New Scheme)

(CSE Engg. Branch)

OBJECT ORIENTED MODELLING & DESIGN
(Professional Elective-I)

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

Note : *Attempt all questions. Part (a) of each question is compulsory and carry 2 marks. Attempt any **two** questions from (b), (c) & (d) of each unit and equal 7 marks.*

Unit-I

1. (a) Differentiate between links and associations?

   (b) What is the requirement to design object oriented model?

(c) Explain the process of object oriented modeling technique?

(d) Explain following concepts for modelling :

   (i) Abstraction

   (ii) Object and class

   (iii) Generalizations

   (iv) Meta data

Unit-II

2. (a) What is an state?

   (b) Design the activity and sequence diagram of transfer money through ATM?

   (c) Explain the importance of relationship in the UML?

   (d) What is nested state? Draw nested state for phone line?

Unit-III

3. (a) Write four software testing method name?

(b) Prepare a data dictionary for Railway reservartion system?

(c) Draw the use case diagram for Open Book Test System. Describe each Actor and use case?

(d) Prepare a data dictionary for Railway reservation system?

Unit-IV

4. (a) How we find Actors from problem?

   (b) Make a Reuse Plan and break a system into Subsystems for ATM?

   (c) Explain how system control strategy is handled by system designer?

   (d) How a system is breaking into subsystems? Explain with suitable example?

Unit-V

5. (a) What is fine tuning classes?

(b) How pattern is helpful in software development? Discuss.

(c) How you can implement functinoality in database?

(d) Discuss Reusability, Extensibility and Robustness with example.