322678(22)

B. E. (Sixth Semester) Examination, April-May 2021

(New Scheme)

(CSE Engg. Branch)

OBJECT ORIENTED MODELING & DESIGN

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

Note : Question (a) is compulsory of each unit. Attempt any two trom (b), (c) & (d). Each question carry equal marks..

Unit-I

1. (a) What is object orientation?   2

    (b) What is an Aggregation? Write their differnt types with example.   7

(c) Explain Links and Associations with suitable example. 7

(d) Write five difference between Aggregation and Generalization in tabular form. 7

Unit-II

2. (a) Event separates two states.

(True or False) 2

(b) Write scenario for an ATM system. 7

(c) Draw an Event Trade Diagram for ATM system. 7

(d) Draw use case diagram for on-line shpoing which have 5 use-cases and three Actors. 7

Unit-III

3. (a) What is System Conception? 2

(b) Explain Domain Analysis. 7

(c) Explain Domain State Model. 7

(d) Write about the Application Interaction Model. 7

Unit-IV

4. (a) What do you mean by the "bank of the envelope"? 2

(b) Explain how a system designer estimate the system performance and make a reversable plan for an Application. 7

(c) Explain Design, Optimization and Rectification of behaviour with suitable example. 7

(d) How a class designer bridges the gap from high-level requirements to low-level services for an application. 7

Unit-V

5. (a) What is fine-turning classes? 2

(b) Explain Integration and Validation Testing. 7

(c) Explain 0 0 Databases. 7

(d) Write short notes on the following : 7

(i) Reusability

(ii) Externibility

(iii) Robustness