

Chapter 1.Importance of modeling

1. Explain SDLC of UML.
2. What is modeling? What are the four principle of modeling?
3. Explain conceptual model of UML.
4. Explain object modeling technology by Ram Baugh.
5. Explain different relationships.
6. What is UML? Where it is used.
7. State and explains things in UML.
8. Give importance of modeling.
9. Describe Architecture of UML.
10. Explain UML Meta Model.

Chapter 2. Class Modeling

1. Define the following and explain them with examples:
 - i. Association.
 - ii. Object.
 - iii. Class.
 - iv. Link attributes.
 - v. Constraints.
 - vi. Multiplicity.
 - vii. Role.
 - viii. Qualification.
 - ix. Generalization.
 - x. Aggregation.
 - xi. Attribute.
 - xii. Multiple inheritances.
 - xiii. Operation.
 - xiv. Propagation of operation.
 - xv. Link and association.
2. What is object diagram? Explain its symbols/ notations and give example it.
3. Differentiate between Association and Aggregation.
4. What is class diagram? Explain its symbols/notations and give example it.
5. Draw object Diagram for :
 - i. College admission process.
 - ii. Super shop management system.
6. Draw class diagram for :
 - i. ATM.
 - ii. Hospital Management.
 - iii. Library management.
 - iv. Online Bus Reservation.

Chapter 3: Basic Behavioral modeling

1. What is use case diagram? Explain its symbols/notations and give an example.
2. What is Sequence diagram? Explain its Symbols/notations and give an example.
3. Draw Use case Diagram for :
 - i. Online Airline Reservation System.
 - ii. Hospital management.
 - iii. Hotel Management.
 - iv. Print result from MSBTE website.
4. Draw Sequence Diagram for:
 - i. Student Registration System.
 - ii. Placing purchase order.
 - iii. Vote card Application.