1. What do you understand by advanced structural Model? Discuss the significance of modeling?
2. What are challenges and vision of Modeling?
3. Explain what the Unified Modeling Language (UML) represents. Describe each of its four benefits.
4. Explain Mechanisms and architecture in UML.
5. What process characteristics best fit the UML? Describe each characteristic.
6. Which modeling tasks can be performed by UML? Where Can the UML Be Used?
7. Discuss the Building Blocks of the UML with an example.
8. Draw a state diagram for a graphical user interface that has main menu, a file menu, with a file open command and quit commands at each menu. Assume that one file can be open at a time.
9. Discuss these UML notations with an example: i) Structural Things ii) Extensibility
10. Difference between collaboration and sequence diagram. Prepare Collaboration Diagrams and Sequence Diagrams for “Bidding Web Site”.
11. Discuss with example:

(i) State machines

(ii) Process and threads

1. Prepare deployment diag. for railway reservation system showing the application server for clients and request to be sent through mobile using SOAP protocol.
2. What are Patterns and Frameworks? Discuss with the help of suitable examples.
3. What do you understand by Basic Behavioural Modeling? Differentiate Interaction Diagrams and Activity Diagrams with examples.
4. What are state chart diagrams? Discuss with suitable example.
5. Discuss these UML's extensibility mechanisms:

i) Stereotypes ii)Tagged values iii)Constraints

1. Discuss the steps of Modeling Adaptable Systems .
2. What do you understand by Architectural Modeling? Prepare component diagrams and deployment diagrams for online banking transaction.