

**Assignment-II**  
**(Object Oriented Analysis and Design ITE-301)**

**Deadline: 01.10.2015**

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**Note: Attempt any 10 Questions**

1. What is the role of Swim lanes & Guard condition in Activity diagram?
  2. Difference between class notation and object notation in UML.
  3. Difference between sequence diagram and collaboration diagram.
  4. The goal of analysis model is to develop a model of what of the system will do? Draw analysis model for Banking System.
  5. What do you mean by class diagram? Where it is used and also discuss the steps to draw the class diagram with any one example.
  6. Consider the application is assumed to be a web based application which is deployed in a clustered environment using server 1, server 2 and server 3. The user is connecting to the application using internet. The control is flowing from the caching server to the clustered environment. So draw the deployment diagram of order management system.
  7. By considering the library management system, perform the object oriented system development and give the interaction diagrams for the same.
  8. With a suitable example explain how to design a class. Give all possible representation in a class (name, attribute, visibility, methods, and responsibilities).
  9. Explain the state chart diagram with a suitable example. Also define its components and use.
  10. What are the various diagrams that are used in analysis and design steps Of Booch Methodology?
  11. Explain and develop the payroll system using the steps of Object oriented approach
  12. Explain the method of identifying the classes using the common class approach with an example.
  13. Give the use cases that can be used to generate the test cases for the Bank ATM application.
  14. Explain the class diagram and its components with a neat sketch.
  15. Explain the Generalization relationship in the object Oriented modeling.
  16. Explain the dependency relationship in the object Oriented modeling.
  17. Explain how to Model the simple collaborations using the class diagrams.
  18. Consider the Hospital Management System application. Give the Collaboration, and Class diagrams.
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