

## Question Bank

- 9.1 What is object oriented modelling?
- 9.2 Why is object oriented modelling used in practice?
- 9.3 When is object oriented modelling particularly useful
- 9.4 Define an object
- 9.5 What is the difference between a class and an object
- 9.6 What are subclasses and superclasses. Give examples of each of these.
- 9.7 What do you understand by information hiding? Why is it resorted to in designing information systems? How is it achieved?
- 9.8 What do you mean by inheritance in object oriented systems? Why is it useful? Give an example of inheritance.
- 9.9 What do you understand by the term polymorphism in object oriented system? Why is it useful? Give an example of polymorphism.
- 9.10 How do you select objects from a requirement specification. Given the following requirement statement, select potential objects.

A list of employers with their basic pay is sent to a clerk. He calculates the gross pay using standard allowances which are known for each pay slab. Deduction statements such as loan repayment, subscription to association etc., are also sent to another clerk who matches these slips with the slips of gross pay and calculates net pay. This step is used by another clerk to write out pay cheques for each employee and sent to respective employees. The total pay bills computed is also computed".

- 9.11 Pick objects and model the following requirements statement using objects. "A magazine is printed monthly and posted to its subscribers. Two months before the expiry of subscription, a reminder is sent to the subscribers. If subscription is not received within a month, another reminder is sent . If renewal subscription is not received upto two weeks before the expiry of the subscription, the subscriber's name is removed from the mailing list and the subscriber informed".
- 9.12 Give a brief requirement specification for a bus ticket reservation system. Model it using objects.