Section – A

1. a) What is iterative process model which is used in object oriented software engineering. (10)
   
   b) What are various requirement elicitation activities? (10)

2. a) Compare water fall model, prototype model, spiral model in view of user involvement, requirement change, risk analysis, maintenance, within budget. (10)
   
   b) What are various components of use case diagram? (10)

3. Explain sequence diagram and activity diagram by taking an example. (10+10)

Section – B

4 a) Explain various relationships among objects and classes. (10)
   
   b) Explain relationship between use cases. (10)

5. a) Differentiate between unit testing, integration testing and system testing. (10)
   
   b) Explain components of state transition diagram. (10)

6. a) What do you mean by architectural analysis? Explain any object oriented analysis model. (10)
   
   b) Explain unit testing for a module written to test whether triangle is right angle triangle or not. (10)