

MCTA-103  
M.E./M.Tech., I Semester  
Examination, December 2014  
Object Oriented Modeling and UML  
Time : Three Hours

Maximum Marks : 70

Note: Attempt any five questions.

1. a) What are key relationships between classes in a UML class?  
b) How sequence of activity can be shown in activity diagram?
2. a) What are the various approaches to discover classes? b) What is discovering generalizations?
3. a) How analysis time is different from design time? b) How sequence diagram is different from collaboration diagram?
4. a) Flow recursion and condition can shown in sequence diagram?  
b) Explain behaviour of various arrows used, with the help of an example.
5. a) How stereotype pictures used in deployment diagram? b) What is the UML profile for CORBA?
6. a) What are the general approach to design a CORBA system?  
b) Why and how frame work is important in architectural modeling?
7. a) What are the basic principle of object orientation? b) What are the basic UML modeling mechanisms?
8. Write short notes: (any Two)
  - a) Events in behavioral modeling
  - b) .Net
  - c) Packages
  - d) State models