Code: 9F00503

MCA V Semester Supplementary Examinations July 2015
OBJECT ORIENTED ANALYSIS & DESIGN (USING UML)
(For students admitted in 2009, 2010, 2011 and 2012 only)

Time: 3 hours   Max Marks: 60

Answer any FIVE questions
All questions carry equal marks
*****

1 (a) Explain different types of relationships in UML with example.
   (b) Explain the phases of software development life cycle.

2 (a) Write any two common modeling techniques of common mechanisms.
   (b) Explain modeling static and dynamic types.

3 (a) Discuss reverse engineering of an object diagram.
   (b) Explain about modeling prototypical instances.

4 (a) Explain about flow of control by time and organization.
   (b) Draw the interaction diagram and explain its links, objects and messages.

5   What is Usecase? Explain common modeling techniques of a usecase diagram with neat diagram.

6 (a) Explain the state chart diagrams with a neat sketch.
   (b) Explain the following events:
        (i) Call events.
        (ii) Time and change events.
        (iii) Sending and receiving events.

7 (a) Explain about forward and reverse engineering of a component diagram.
   (b) Discuss modeling a client-server system in terms of deployment diagram.

8 (a) What is pattern? Explain about mechanisms and frameworks.
   (b) Write about modeling design patterns.

*****