Roll No ....

MSE - 205

M.E./M.Tech., II Semester

Examination, June 2016

Object Oriented Analysis and Design

Time : Three Hours

Maximum Marks : 70

Note : i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) What is An Object Model? Explain the Benefits of OO Modeling.

   b) What is Object Modeling Technique (OMT)? What are the phases of OMT? Discuss each in brief.

2. a) Differentiate between Structured Analysis and Object Oriented Analysis in detail.

   b) Define UML. Explain Modeling using class diagrams.

3. a) What do you mean by object design? What are the steps followed during the object design?

   b) Why reusability is important? How does object oriented software development promote reusability?

4. a) What do you mean by multiplicity of the association? Discuss different types of multiplicity by giving suitable examples.

   b) What is a state diagram? Draw a state diagram for an answering machine.

5. a) Distinguish between the following :
      i) State and Event
      ii) Simple and Compound States

   b) What is Data Flow Diagrams? Explain flaws in DFD.

6. a) What is database schema? Describe the step used to transform a class diagram into a relational database schema.

   b) How is a many-to-many association on a class diagram represented in a relational database? Explain with example.

7. a) Briefly describe direct, parallel, and phased deployment. What are the advantages and disadvantages of each deployment approach?

   b) Write Case Study on Warehouse Management System.

8. Write short note on any three :
   i) UML
   ii) State diagram
   iii) Object diagram
   iv) Use case diagram
   v) Metadata

******