

Exam. Code : 206704

Subject Code : 5261

M.Sc. Computer Science 4th Semester

**MCS-403 OBJECT ORIENTED MODELLING,
ANALYSIS & DESIGN**

Time Allowed—3 Hours]

[Maximum Marks—100

Note :— Attempt any **five** questions. All questions carry equal marks.

1. (a) What is meaning of behaviour of an object ?
(b) What is Object Oriented Analysis and Design ?
2. What is difference between Specialization, Generalization and Aggregation ? Explain with the help of an example and diagram.
3. (a) What is multiple inheritance ?
(b) What is association ? Explain the difference between unary, binary, ternary or n-ary associations.
4. (a) What is data dictionary ? What is its use ?
(b) Explain the difference between primary, foreign and composite keys.
5. What is Scenario in dynamic modelling ? What is use of Event trace diagram ?

6. What is difference between object model, dynamic model and functional model ? Explain with an example.
7. Draw and explain a DFD for University admission system. Make and write your own assumptions.
8. What do you mean by class diagram ? Where it is used ? Also discuss the steps to draw the class diagram with any one example.