

Exam. Code : 206704

Subject Code : 4646

M.Sc. (Computer Science) Semester—IV

**MCS-403 : OBJECT ORIENTED MODELING,
ANALYSIS AND DESIGN**

Time Allowed—3 Hours]

[Maximum Marks—100

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

1. Discuss in detail the features of OMT methodology. 20
2. Discuss in detail the following :
 - (a) Collaborations
 - (b) Hierarchy Graphs
 - (c) Collaboration Graphs
 - (d) Subsystems. 4×5=20
3. Write short notes on the following :
 - (a) Meta Data
 - (b) Meta Models
 - (c) Pseudo Code
 - (d) ONN Constructs. 4×5=20
4. Discuss in detail the functional model. 20
5. Discuss in detail object modeling. 20

6. Explain the following concepts :
 - (a) Data dictionary
 - (b) Dynamic model
 - (c) Functional model. 20
7. What are the various issues involved in implementation of the system ? Explain. 20
8. Discuss in detail the system design phase. 20