Exam. Code : 206703
Subject Code : 4669

M.Sc. (Computer Science) 3rd Semester

ADVANCED SOFTWARE ENGINEERING

Paper—MCS-301

Time Allowed—3 Hours] [Maximum Marks—100

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

1. Compare the various old and modern ways of software management. 20

2. Write short notes on :

   (a) Multi-Agent Systems 10

   (b) Improvement of Software Economics. 10

3. What is Software Re-engineering ? On what type of systems it is possible and when we can apply it ? 20

4. What do you mean by object oriented design ? Describe the various methodologies present for preparing object oriented design. 20

5. Write short notes on :

   (a) Restructuring and Reverse Engineering 10

   (b) Classes relationships under object oriented analysis and design. 10

6. Differentiate the Software Agent and Software Component and discuss various properties of software agent. 20

7. Discuss the software evolution in detail. 20

8. State and explain the difference between Software Reuse and Software Re-engineering. 20