

FACULTY OF INFORMATICS

M.C.A. III-Year I – Semester (Main & Backlog) Examination, January 2015

Subject : Object Oriented System Development

Time : 3 hours

Max. Marks : 80

Note: Answer ONE question from each unit. All questions carry equal marks.

UNIT – I

- 1 a) What is modeling? Discuss any four principles of modeling. 8
b) Explain the “things” in the building blocks of UML. 8
- OR**
- 2 a) Write in detail about packages, instances, interfaces and types. 8
b) Discuss about different relationships with suitable examples. 8

UNIT – II

- 3 a) Explain the concept of use cases and use case diagrams in detail with suitable examples. 10
b) Differentiate between events and signals. 6
- OR**
- 4 a) Write in detail about interaction diagrams with examples. 10
b) What are state chart diagrams? 6

UNIT – III

- 5 a) Write short notes on “Collaborations”. 8
b) Write about patterns and frameworks. 8
- OR**
- 6 a) What are component diagrams? Briefly describe the common uses of component diagrams. 10
b) Write about Deployment diagrams. 6

UNIT – IV

- 7 Explain in detail about the unified software process. 16
- OR**
- 8 Explain the four Ps : People, Project, Product and Process in detail. 16

UNIT-V

- 9 a) Explain how to capture the requirements as use cases. 10
b) Write about workers in the analysis workflow. 6
- OR**
- 10 a) Discuss about implementation workflow. 10
b) What is the importance of testing? 6
