

END TERM EXAMINATION

FIFTH SEMESTER [MCA] DECEMBER 2007

Paper Code: MCA301

Subject: Object Oriented S/W Engineering

Time: 3Hours

Maximum Marks: 60

Note: Q.1 is compulsory. Attempt any four questions among Q.2 to Q.7.

Q.1 Answer the following questions:-

- (a) System Testing
- (b) Activity diagrams
- (c) Conceptual model of UML
- (d) Verification
- (e) Object Oriented concepts

Q.2 (a) What is requirement elicitation? Explain two techniques of requirement elicitation.

(b) What are the features of analysis model and design? Explain with examples.

Q.3 (a) What are the various testing levels in an object oriented system? Explain.

(b) What is a use case? How it is beneficial in requirement phase? Is there any other way to capture requirements?

Q.4 What is architecture of UML? How many types of diagrams are used in UML? Explain each.

Q.5 For a library management system make analysis model, design model and construction model.

Q.6 (a) Justify the statement "System development is model building".

(b) Differentiate between implementation and test model of OO system. Take suitable examples.

Q.7 (a) Explain object oriented life cycle model. Give a brief comparison of various life cycle models.

(b) Compare object oriented software engineering and classical software engineering.