

END TERM EXAMINATION

FIFTH SEMESTER [B.TECH/M.TECH] DECEMBER 2013

Paper Code: IT-309

Subject: Object Oriented Software Engineering

Time: 3 Hours

Maximum Marks: 60

Note: Attempt any five questions, including Q.no.1 is compulsory. Select One question from each Unit.

- Q1 Answer the following questions:- (10x2=20)
- (a) Walk Through.
 - (b) Reusability.
 - (c) Cohesion.
 - (d) Discuss advantages of incremental model.
 - (e) What is the need of SRS?
 - (f) What is an abstract class?
 - (g) What is the difference between scenario and use case?
 - (h) What is polymorphism testing?
 - (i) When should we choose an object oriented database?
 - (j) How do we identify the Actor's in a particular system?

UNIT-I

- Q2 (a) What are different standards for developing life cycle models? (7)
(b) Is there ever a case when the generic phases of software engineering process do not apply? If so, describe it. (3)

OR

- Q3 (a) Describe the activities involved in requirement elicitation in detail. (8)
(b) Distinguish between functional and non-functional requirements. (2)

UNIT-II

- Q4 Discuss the issues related to managing the analysis in a multi-team development project. (10)

OR

- Q5 (a) Explain how OOA model is translated to OOD model. (5)
(b) What are the main features of Test Model? (5)

UNIT-III

- Q6 (a) How is use case related to a system? (5)
(b) What are building blocks of UML? Discuss with an example. (5)

OR

- Q7 Develop a complete use case for using your debit card for a meal at restaurant. (10)

UNIT-IV

- Q8 Explain any two of the following:- (2x5=10)
- (a) Various Testing Activities.
 - (b) System Testing.
 - (c) Object Oriented Component Testing.

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