

08619

**BACHELOR IN COMPUTER
APPLICATIONS**

Term-End Examination

June, 2010

**CS-70 : INTRODUCTION TO SOFTWARE
ENGINEERING**

Time : 3 hours

Maximum Marks : 75

Note : Question number 1 is compulsory. Answer any three questions from the rest.

1. (a) Explain all the phases of SDLC. Does the role of System Analyst is confined to Analysis Phase ? Comment. 8

- (b) Design a system for a Insurance Company. Draw DFD's for the system till level-2 and also prepare the SRS document for the same. Clearly mention the assumption made if any. 15

- (c) Design an ER diagram for above system. Make assumptions if any. List all the entities along with their attributes and relationship. 7

2. (a) What is Integration Testing ? What is its role and how it is performed ? 8
- (b) What is risk management ? Further, discuss the areas of risk that a software project manager must address. 7
3. (a) List and explain fault finding techniques. 7
- (b) What is an Object Oriented Design ? Discuss its advantages in developing a software system. 8
4. (a) Differentiate between coupling and cohesion. What are the various types of coupling ? 7
- (b) What are CASE tools ? What are various types of CASE tools ? Discuss its benefits ? 8
5. Explain the following with example (*any three*) : 15
- (a) Validation and verification
- (b) Principles of software Engg.
- (c) Function Point Analysis
- (d) Software Maintenance
- (e) White-Box Testing
-