

**BACHELOR OF COMPUTER APPLICATIONS
(BCA) (Pre-Revised)**

Term-End Examination

December, 2017

00320

**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) Define Software Quality. Describe all the key quality aspects of a software product and a software process. 10
- (b) List and explain different phases of software development life cycle. 10
- (c) Design the Data Flow Diagrams (DFDs) up to second level for an "Inventory Management System" for a retail electrical shop. List all the assumptions made. 10
2. (a) What is Project Planning ? What are the main steps involved in it ? Explain briefly. 8
- (b) What is the significance of Project Scheduling ? What are the various techniques available ? Explain them briefly. 7

3. (a) Explain the following tasks of Periodic Project Review and its implications : 8
- (i) Review project progress
 - (ii) Analyse the impact of delays
 - (iii) Examine any problems existing in the quality of data
 - (iv) Anticipating developing problems
- (b) Draw an ER-diagram for the question 1(c). List all the entities, their attributes, cardinality, key constraints, etc. 7
4. With reference to Risk Management, explain the following : $5 \times 3 = 15$
- (a) Managing Risk
 - (b) Technical Planning
 - (c) Project Tracking
 - (d) Partial Recovery
 - (e) Delivery Timings
5. Write short notes on the following : $3 \times 5 = 15$
- (a) Limitations of 4th Generation Languages
 - (b) Debuggers
 - (c) Project Standards
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