

10358

## PGDCA/MCA (I Year)

## Term-End Examination

December, 2008

CS - 05 : ELEMENTS OF SYSTEM ANALYSIS  
AND DESIGN

Time : 3 hours

Maximum Marks : 75

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*Note : Question no. 1 is compulsory. Answer any three questions from the rest.*

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1. (a) Construct DFDs upto three levels for a Study Centre Management System. 10
- (b) List and explain the major concerns regarding the CRT- input screen design. 10
- (c) What are the characteristics of good documentation and explain any three major types of documentation. 10
2. (a) "Since cost plays quite an important role in deciding the new system, it must be identified and estimated properly". With respect to this statement explain the cost / benefit analysis and its classification. 8
- (b) Explain the features of Presentation Graphics and Decision Support Graphics. 7

3. (a) Explain the following categories of files along with their characteristics and purpose of use : 8
- (i) Transaction file
  - (ii) Report file
  - (iii) Library file
  - (iv) Back-up file
- (b) What do you mean by System Analysis ? 7  
How does it differ from System Design ?
4. (a) What is a Data Centre ? List any 5 advantages and 4 disadvantages of using Data Centres. 10
- (b) Explain any five special system tests. 5
5. Write short notes on : 3x5=15
- (i) Quality Assurance in S/W life cycle.
  - (ii) Reliability and Maintenance.
  - (iii) Output design considerations.