

06784

PGDCA / MCA (I Year)

Term-End Examination

June, 2011

CS-05 : ELEMENTS OF SYSTEM ANALYSIS
AND DESIGN

Time : 3 hours

Maximum Marks : 75

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

1. (a) Draw 0-level, 1-level and 2-level DFD's depicting the various processes, data flow and data repositories for a retail ready-made garment stores. Follow the appropriate conventions/symbols. 7
- (b) What are the objectives of preliminary investigation? List and explain the methods to gather the data during the preliminary investigation. 8
- (c) Explain various types of feasibility studies that the analyst should consider. 8
- (d) Draw a decision table for any task and explain all the five sections of it. 7

2. (a) Design and illustrate a Nassi - Schneiderman (N.S.) chart for processing pay - roll cheques. 8
- (b) Explain the necessary consideration and conditions in selecting the data storage media for a S/W project. 7
3. (a) Explain the Information support and nature of management for the following systems : 8
- (i) Office Automation Systems
- (ii) Transaction processing systems.
- (b) List and explain at least seven considerations for the input design. 7
4. (a) Explain the Indexed - file organisation method. List the advantages and disadvantages in comparison with the sequential and random methods. 8
- (b) Discuss, under which conditions, the prototypes are considered to be very useful and how ? 7
5. (a) List at least seven advantages of using the Data - centres instead of an in-house computer facilities. 7
- (b) Explain the following categories of project documentation : 8
- (i) Operations Documentation.
- (ii) User Documentation.