

BCA (PRE-REVISED)

Term-End Examination

June, 2013

04050

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 DFDs for a "Library Management System". Make assumptions, if necessary. | 15 |
| | (b) | Explain any two ways of performing Requirements Analysis. | 10 |
| | (c) | Explain the differences between "Analysis" and "Design" phases of a project. | 5 |
| 2. | (a) | What is meant by "Feasibility Study" ? Is it performed during Analysis or Design phase. | 8 |
| | (b) | What is a Decision Table ? Draw Decision table for Payroll processing. | 7 |
| 3. | (a) | Draw E-R diagram for a Payroll Processing System. Make necessary assumptions. | 8 |

- (b) Design a form for applying for examinations. Explain various elements of it. Make necessary assumptions. 7
4. (a) Explain random file organization. 8
(b) Explain any seven features of a RDBMS. 7
5. Write a short note on the following : 3x5=15
(a) Output Design
(b) Interface Design
(c) Dialogue Design
-