CS-05

BACHELOR OF COMPUTER APPLICATIONS (BCA) (Pre-Revised)
Term-End Examination
June, 2015

02423

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) Define the term "System Analysis". How does it differ from "System Design" ?   5

    (b) Define and briefly explain the terms EDP, MIS and DSS.   6

    (c) What is Benchmark Testing ? Why is it needed and how is it conducted ?   5

    (d) Describe the types of Information that exist in an organization with respect to Marketing and Production departments.   5

    (e) Design DFD level 0 and level 1 for an Airline Reservation System. Make suitable assumptions.   9

2. (a) Discuss the attributes of an effective System Analyst. *8*

(b) Describe any three techniques of System Analysis. *7*

3. (a) What is Software Piracy ? Describe any five forms of Software Piracy seen around the world. *6*

(b) What is Testing ? Describe in detail Unit Testing and System Testing. *7*

(c) What is Documentation ? List the types of documentation. *2*

4. (a) What is Prototype Design ? How is it useful ? *5*

(b) What is a Form ? Describe the factors to be considered in Form Design. *5*

(c) Describe the various methods of migrating from the old system to the new system. *5*

5. Write short notes on the following : *5×3=15*

(a) HIPO Charts

(b) Software Quality

(c) Transaction Processing System

(d) Modularisation

(e) Audit Trail

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