CS-05

01578

BCA (PRE-REVISED)

Term-End Examination

June, 2014

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.*

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1. (a) List and explain the basic elements of a flowchart. **8**

   (b) What are different studies done as part of feasibility study ? Explain them. **12**

   (c) Draw a Data Flow Diagram (DFD) upto level-2 depicting various processes, data flow and data reportories for a "Study Centre Management System of IGNOU". **10**

2. (a) Discuss with an example "Benchmark testing" briefly. **7**

   (b) Describe the problems related to software crisis from programmer's and user's perspective. **8**

3. (a) Differentiate between 3rd generation languages and 4th generation languages. Give one example language for each generation. **7**

   (b) What are the various activities involved in "Design" Phase of SDLC ? Explain them briefly. **8**

4. (a) Discuss "Questionnaire" as a method of fact   8
         finding. Comment on its usefulness by giving
         an example.
    (b) What is a prototype and why is it used ?   7

5. Write short notes on the following :   5x3=15
    (a) Decision table
    (b) Data dictionary
    (c) Disaster Recovery Planning