BCA (PRE-REVISED)

Term-End Examination

December, 2012

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) What is system Analysis? What are the roles **10** of a system analyst ? Explain any five attributes of an effective system Analyst.

   (b) What is menu driven screen ? Explain **5** advantages of menu driven screen over instruction driven screen.

   (c) What is System control? Explain different **5** types of system controls briefly.

   (d) What is MIS ? What are different levels in **10** MIS ? Explain the different categories of information required to serve the needs of different levels of management in an organization.

2. (a) What is DSS ? Explain application of DSS. **5** How DSS is different from MIS ?

(b) What is multimedia ? Explain design, production and distribution of a multimedia application with an example.   **10**

3. (a) What is documentation ? Explain the need of five different types of documentation.   **6**

(b) What is database design? Explain need of normalization in database design with example.   **5**

(c) Briefly explain software related crimes.   **4**

4. (a) What is system testing ? Explain any four types of system testing.   **5**

(b) What is HCI ? Explain how a better HCI increases systems efficiency. Explain major contextual and environmental factors involved in designing of HCI, with an example.   **10**

5. (a) Draw a data flow diagram (DFD) depicting various processes/data flow and data repositories for a courier company. Make necessary assumptions where ever required.   **7**

(b) Write short note on the following :   **8**
   (i) Operational feasibility
   (ii) Decision Tree
   (iii) Disaster Recovery
   (iv) Data Dictionary