CS-05

BACHELOR OF COMPUTER APPLICATIONS (BCA) (Pre-Revised)

Term-End Examination

00563   December, 2018

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 kind of fact finding techniques would you use for investigating the information requirements for a hospital, which is presently using manual registrations ? What kind of techniques do you think will be more effective ? Also mention the problems you anticipate in conducting the investigations.   *10*

    (b)   What is a decision table ? Draw a decision table for payroll processing. Make necessary assumptions.   *7*

(c) Write a short note on Multimedia. **6**

(d) "The design of Human Computer Interface (HCI) is one of the most important aspects of the system design." Explain various factors that one needs to consider for a good and efficient HCI. **7**

2. (a) Write a short note on various testing techniques. **8**

(b) Define a form. List the five characteristics of a form. **7**

3. (a) What is Quality Assurance ? What are the three levels of quality assurance ? Explain. **7**

(b) Explain the following, with an example for each : **8**

(i) Nassi-Shneiderman chart

(ii) PERT chart

4. (a) Explain the difference between System Analysis and System Design with an example. **8**

(b) What are Programming languages ? Differentiate between 3rd generation and 4th generation languages, giving an example of language for each generation. **7**

5. (a) Explain any five differences between DFDs and Flow Charts. 5

(b) What does the term 'feasibility' mean ? List the seven types of feasibilities. 10

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