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BCA-12
System Analysis and Design
Bachelor of Computer Application
(BCA-11/16/17)

Forth Semester

Examination, 2019

Time : 3 Hours   *[Maximum Marks : 80*

Note : This paper is of Eighty (80) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

Section–A

(Long Answer Type Questions)

Note : Section A contains Five (05) long-answer-type questions of Fifteen (15) marks each. Learners are required to answer any three (03) questions only.   **(3×15=45)**

1. What are the various characteristics of system? Explain with suitable example.

2. What are the various phases of system design? Explain any three phase with suitable example.

3. What is logical DFD? Explain with suitable example?

4. What is decision table? Explain with its features and suitable examples.

5. What are the types of system testing? Explain any two testing method with its features and suitable examples.

Section–B

(Short-Answer-Type Questions)

Note : Section 'B' contains Eight (08) short-answer-type questions of Seven (07) marks each. Learners are required to answer any Five (05) questions only.   **(5×7=35)**

1. What is Man-made system? Explain with suitable example.

2. What is maintenance phase?

3. What is information gathering? Explain any one tool with suitable example.

4. What is structured chart? How it is differ from flow chart?

5. What is the need of system testing? Explain with suitable example.

6. What is bottom up system design approach? Explain with suitable diagram.

7. What is system audit? Why it is required?

8. What is DSS? Explain with suitable example.