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Roll No. :

BCA-12

System Analysis and Design

Bachelor of Computer Application (BCA-11/16/17)

4th Semester Examination June 2022

Time : 2 Hours

Max. Marks : 80

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

Section-A

(Long Answer-type questions)

Note: Section 'A' contains Five (05) Long-answer type questions of Twenty (20) marks each. Learners are required to answer any two (02) questions only.

(2 x 20 = 40)

Q.1. What is system? Explain feedback type system with suitable diagram and example.

P.T.O.

- Q.2 What is system analyst? Explain its role with suitable example.
- Q.3 What is analysis phase of system design? Explain with suitable example.
- Q.4 What are the types of feasibility analysis? Explain any two with its features and suitable examples.
- Q.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 ten (10) marks each. Learners are required to answer any four (04) questions.

(4 x 10 = 40)

P.T.O.

- Q.1 What is DFD? Explain its functionality with a suitable example.
- Q.2 What are the requirements of form design?
- Q.3 What is disaster recovery planning? Explain with a suitable example.
- Q.4 What is a closed system? How does it differ from an open system?
- Q.5 What is the importance of system documentation? Explain with a suitable example.
- Q.6 What is a top-down system design approach? Explain with a suitable diagram.
- Q.7 What is MIS?
- Q.8 What is Risk analysis? Explain with a suitable example.

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