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BCA 2nd Semester (Full & Re-appear)
Examination, May-2023
STRUCTURED SYSTEM ANALYSIS AND DESIGN
Paper- BCA-109

Time allowed : 3 hours]

[Maximum marks : 80]

Note: Attempt five questions in all. Question no. 1 is compulsory. In addition to compulsory question, attempt four more questions selecting one question from each unit.

1. Explain the following in detail:

- (a) Role of system Analyst
- (b) Decision table
- (c) Fact analysis
- (d) Oral presentation
- (e) System evaluation
- (f) Flow Charts
- (g) Form Control
- (h) Sources of Project request

Unit-I

2. (a) Explain the system development life cycle in detail.

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- (b) What is Information gathering? Explain the information gathering tools in detail.
- 3. (a) What is System? Explain the characteristics and elements of system in detail.
- (b) Discuss the various planning alternatives used in system development life cycle (SDLC).

Unit-II

- 4. (a) What is systems feasibility? Explain the objectives and steps in feasibility analysis.
- (b) What are DFDs? What are the considerations involved in developing DFD? Illustrate through a suitable example of your choice.
- 5. (a) What is cost and benefit Analysis? Explain the procedure of cost / benefit determination.
- (b) What is System analysis? Explain in detail the tools of systems analysis.

Unit-III

- 6. (a) What do you mean by Design methodologies? Explain the Form-Driven methodology in detail.
- (b) What is form design? What are the requirements of form design? Also explain the types of forms.
- 7. (a) What is Input design? Explain the objectives of Input design.

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- (b) What activities make up system design? How does system design simplify implementation? Explain.

Unit-IV

- 8. (a) What is Quality Assurance? Explain the quality assurance goals in system life cycle.
- (b) What is System implementation? Explain the process of implementation in detail.
- 9. (a) What do you mean by system testing? What types of test data are used in system testing? Explain.
- (b) What is System maintenance? Explain its types in detail.