

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:

- Role of system analyst
- Decision table
- Fact analysis
- Oral presentation
- System evaluation
- Flow Charts
- Form Control
- Sources of Project request

Unit-I

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

- (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.

- (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.