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.





   (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.