

(b) What do you mean by system testing ? What types of test data are used in system testing ? Explain.

9. Explain the following in detail :

- (a) Quality Assurance and its goals in system life cycle.
- (b) System maintenance and its types.

Roll No. ....

**97668**

**BCA 2nd Semester**

**Examination – July, 2021**

**STRUCTURED SYSTEM ANALYSIS AND DESIGN**

Paper : BCA-109

Time : Three hours ]

[ Maximum Marks : 80

*Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.*

**Note :** Question No. 1 is compulsory. Attempt other four questions by selecting one question from each Unit. All questions carry equal marks.

1. Explain the following in detail :

- (a) System evaluation
- (b) Open system
- (c) Decision tree
- (d) Fact analysis

- (e) Fact finding
- (f) Gantt charts
- (g) Form control
- (h) System documentation

**UNIT - I**

2. (a) What do you mean by System ? Explain its types and characteristics.
  - (b) Discuss the various planning alternatives used in system development life cycle (SDLC).
3. Explain the following in detail :
    - (a) Information gathering tools
    - (b) Role of system analyst

**UNIT - II**

4. (a) What are DFDs ? What are the considerations involved in developing DFD ? Illustrate through a suitable example of your choice.
- (b) What is System analysis ? Explain in detail the tool of systems analysis.

5. (a) What do you mean by systems feasibility ? Explain the objective and steps in feasibility analysis.
- (b) What is cost and benefit analysis ? Explain the procedure of cost/benefit determination.

**UNIT - III**

6. (a) What activities make up system design ? How does system design simplify implementation ? Explain.
- (b) What do you mean by form design ? What are the requirements of form design ? Also explain the types of forms.

7. Explain the following in detail :

- (a) Input design and objectives of input design
- (b) Form-Driven methodology

**UNIT - IV**

8. (a) What do you mean by System implementation ? Explain the process of implementation in detail.