

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

- (c) 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**. <https://www.mdustudy.com>
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**.

- (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.

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