

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

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- (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.

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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.

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- (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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