

9. (a) What is System maintenance ? Write its types in detail.

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

Roll No.

97668

BCA - 2nd Semester

Examination – April, 2018

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 any *five* questions. All questions carry equal marks. Attempt *one* question from each Unit.

1. Explain the following in detail :

- (a) Flow-charts
- (b) System evaluation
- (c) Decision tree
- (d) Fact analysis
- (e) Oral presentation

- (f) Form control
- (g) System documentation
- (h) Gantt Charts

UNIT – I

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

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 tools of systems analysis.
5. (a) What is cost and benefit Analysis ? Explain the procedure of cost/benefit determination.

- (b) What do you mean by systems feasibility ? Explain the objective and steps in feasibility analysis.

UNIT – III

6. (a) What activities make up system design ? How does system design simplify implementation ? Explain.
- (b) What is form design ? What are the requirements of form design ? Also explain the types of forms.
7. (a) What is output design ? Explain the objectives of output design. <http://www.HaryanaPapers.com>
- (b) What do you mean by design methodologies ? Explain the Form - Driven methodology in detail.

UNIT – IV

8. (a) What is System implementation ? Explain the process of implementation in detail.
- (b) What is Quality Assurance ? Explain the quality assurance goals in system life cycle.

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**B. C. A. 2nd Semester
Examination – May, 2019**

STRUCTURED SYSTEM ANALYSIS AND DESIGN

Paper : BCA-109

Time : Three hours] [Maximum Marks : 80

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Note : Attempt *five* questions in all, selecting *one* question from each Unit. Question No. 1 is *compulsory*.

1. Write short notes on the following : 16
- (i) Initial Investigation
 - (ii) Data Dictionary
 - (iii) O/P design
 - (iv) Test Plan

UNIT – I

2. Explain in detail about system Development life cycle. 16

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3. Explain the following : 16
- (i) Information gathering tools
 - (ii) Determination of feasibility.

UNIT – II

4. Describe the following : 16
- (i) Gantt Charts
 - (ii) Decision tree
5. Explain in detail about Cost and Benefit Analysis. 16

UNIT – III

6. Define System Design. Explain its objective. Also explain Design Methodologies. 16
7. Explain the following : 16
- (i) Classification of forms
 - (ii) Form control

UNIT – IV

8. Explain Quality Assurance goals in system life cycle in detail. 16
9. Define system Maintenance. Explain its types. 16

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