

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.