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Roll No. ....

**97668**

**BCA 2nd Semester (Full and Re-appear)  
Examination – October, 2020**

**STRUCTURED SYSTEM ANALYSIS AND DESIGN**

Paper : BCA-109

Time : 1.45 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 :** Attempt any *three* questions. All questions carry equal marks.

1. Explain the following in detail :

- (a) Role of System Analyst
- (b) System Planning
- (c) Gantt Chart
- (d) System documentation

- (e) System evaluation
  - (f) Decision table
  - (g) Fact analysis
  - (h) Oral presentation
2. (a) What is Information gathering ? Explain the Information gathering tools in detail.
- (b) What is System ? Explain the characteristics and elements of system.
3. Explain the following in detail :
- (a) System development life cycle in detail.
  - (b) Various planning alternatives used in system development life cycle (SDLC)
4. Explain the following in detail :
- (a) Methods of determining cost and benefit
  - (b) System analysis and the tools of systems analysis
5. (a) What are DFDs ? What are the considerations involved in developing DFD ? Illustrate through a suitable example of your choice.

- (b) What is systems feasibility ? Explain the objective and steps in feasibility analysis.
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. Explain the following in detail :
- (a) Design methodologies and the Form-Driven methodology
  - (b) Input design and the objectives of Input design
8. Explain the following in detail :
- (a) System maintenance and its types
  - (b) Quality Assurance and the quality assurance goals in system life cycle
9. (a) What is 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.