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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.

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