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POST GRADUATE DIPLOMA IN COMPUTER APPLICATION EXAMINATION, 2019
STRUCTURED SYSTEM ANALYSIS AND DESIGN
Paper – III
Time: Three Hours

Maximum Marks: 75

Answer five questions out of ten, selecting one question from each unit

All questions carry equal marks.

UNIT –I

Q.1 (a) Explain the concept of a system, its boundary and its environment giving suitable examples.

(b) Explain various types of systems giving suitable examples.

OR

Q.2 List and explain various approaches to system development. Describe the situations into which we use each of these approaches.

UNIT –II

Q.3 Explain System Development Life Cycle. What is its significance and use?

OR

Q.4 (a) What is the role of documentation in system development? Explain.

(b) List and explain the types of documentation.

UNIT –III

Q.5 List and explain the activities involved in system planning.

OR

Q.6 Explain the following -

   (i)   Cost Benefit Analysis

   (ii) Joint Application Development

   (iii) Business Process Re-engineering

UNIT –IV

Q.7 (a) Explain top down approach giving suitable examples.

   (b) Differentiate between cohesion and coupling giving suitable examples.

OR

Q.8 List and explain various types of system design and modelling techniques giving suitable examples.

UNIT –V

Q.9 What is the importance of User Interface Design? Give the standards and guidelines for GUI Design.

OR

Q.10 (a) What are the steps involved in system implementation and maintenance? Explain.

   (b) What are the various threats to a computer system? Explain.