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BCA/M-22 1876

STRUCTURED SYSTEM ANALYSIS AND DESIGN

BCA-125

Time : Three Hours] [Maximum Marks : 80

Note : Attempt *Five* questions in all, selecting *one* question from each Unit. Q. No. 1 is compulsory. All questions carry equal marks.

1. (a) Define the term "System".
   (b) Write elements of system.
   (c) What are tools for Fact Gathering ?
   (d) What is called technical feasibility ?

Unit I

2. Define characteristics of system and explain physical, abstract, open and closed system.

3. Explain system development life-cycle.

Unit II

4. (a) Explain system planning concept with emphasis on fact gathering process.
   (b) Discuss operational and economic feasibility.

5. (a) Explain the role of IPO and data dictionary in system design.

(b) What is data flow diagram ? Explain with example.

Unit III

6. (a) What is Cost-benefit analysis of system ?

(b) Discuss sequential file organization structure.

7. (a) Discuss physical view of data.

(b) Explain Output Form Design.

Unit IV

8. Why testing is so important in implementation ? Explain various testing techniques.

9. (a) Explain process of parallel and pilot implementation.

(b) Discuss Levels of SQA.