

Roll No. 180010762

Printed Pages : 2

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BCA / M-19
STRUCTURED SYSTEM ANALYSIS
AND DESIGN
Paper-BCA 125

Time allowed : 3 hours]

[Maximum marks : 80

Note :- Attempt any *five* questions. Select *one* from each unit.
Question No. 1 is compulsory.

1. (a) Write methods of Data collection in System Analysis.
(b) Differentiate Data Dictionary and Decision Tree.
(c) What is logical view of Data?
(d) Write characteristics of system.

4×4=16

Unit-I

2. Define system, its elements and types of system. 16
3. (a) Write phases of SDLC. 12
(b) Discuss Role of System Analyst. 4

Unit-II

4. Explain concept of System Investigation and various Techniques used in it. 16
5. (a) Explain Gantt chart and HIPO chart. 16
(b) Discuss DFD for a case-study.

Unit-III

6. Explain working of Index sequential file organization with emphasis on Insertion, Deletion and Updation. 16

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[Turn over

(2)

7. (a) Discuss Cost and Benefit analysis of system. 16
(b) Explain Design of physical view of Data.

Unit-IV

8. Explain concept of Testing in Detail. 16
9. Write note on:
- (a) Activation in software maintenance.
- (b) System Implementation and its types. 16