Roll No. ....

(011/17-I)

5196

B.A./B.Sc. EXAMINATION

(Third Semester)

COMPUTER SCIENCE

Paper II

Structured System Analysis and Design

Time : Three Hours   *Maximum Marks :* $\begin{cases} \text{B.Sc.} : 30 \\ \text{B.A.} : 20 \end{cases}$

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

1. (a) Name various phases in the system development.

   (b) What are the elements of a system ? Explain.

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(c) What are the types of feasibility ? Name them.

(d) Distinguish between logical and physical views of data.

(e) What is the goal of quality assurance ?

(f) Name the dimensions of plannning.

Unit I

2. Distinguish between open and closed systems.

4/6

3. Explain system development life-cycle in detail.

4/6

Unit II

4. What is data flow diagram ? What are the symbols used in the DFD ? Explain them. 4/6

5. What is feasibility study ? Explain types of feasibility in detail. 4/6

Unit III

6. What is cost-benefit analysis ? Explain in detail. 4/6

7. Explain various file structures in detail. 4/6

Unit IV

8. What are the objectives of system testing ? Explain various testing techniques in detail.

4/6

9. What are the primary activities in system testing? 4/6