Structured System Analysis and Design

Compulsory Question

1. (i) Define subsystems. 3½
   (ii) Define technical feasibility. 3½
   (iii) Define condition stub and action stub in decision table. 4
   (iv) Define unit testing. 3½
   (v) Define the tern conversion 3½

SECTION-A

2. Define system. What are the elements of a system? Explain open and closed systems. 18

3. Explain the role of System Analysis in system analysis and design.

SFCTION-B

4. What is structured analysis? Which are the tools of structural analysis? Explain the benefits and limitations of each tool.

5. Explain the term feasibility study. Why feasibility study is important in System development? Explain Technical and Economic feasibility. 18

SECTION-C

6. Distinguish between :
   (i) Tangible or Intangible cost and benefits.
   (ii) Direct or Indirect costs and benefits.
   (iii) Fixed or Variable costs and benefits. 18

7. Explain the objectives of database design. Also explain Logical and Physical views of data. 18

SECTION-D

8. Why System testing is done? Explain the activity network for system testing.

9. Write short notes on :
   (i) Goals of quality assurance. 18
   (ii) Software maintenance. 18