

Bachelor of Science (B.Sc. I.T.) Semester–I Examination
SYSTEM ANALYSIS AND DESIGN
Paper–III

Time : Three Hours]

[Maximum Marks : 50

- N.B. :—** (1) All questions are compulsory and carry equal marks.
 (2) Draw neat and labelled diagram wherever necessary.

EITHER

1. (A) Explain any two Data Collection techniques. 5
- (B) What is prototyping ? Explain with suitable example. 5

OR

- (C) Explain Economic and Financial Feasibility Analysis. 5
- (D) Write components of computerized information system. 5

EITHER

2. (A) Describe the principle of code design. 5
- (B) Explain how decision tree is used in making decision. 5

OR

- (C) Write principles of system design with example. 5
- (D) What do you mean by Input design ? What methods are used for it ? 5

EITHER

3. (A) How test evaluation could be done ? Explain. 5
- (B) What are change strategies ? Explain any one in detail. 5

OR

- (C) Describe the levels of testing. 5
- (D) What do you mean by training ? Explain. 5

EITHER

4. (A) What is Project Monitoring & Control ? Explain 5
- (B) What are the characteristics of software maintenance ? 5

OR

- (C) What are the metrics for project size estimation ? 5
- (D) Describe software quality in detail. 5

5. (A) Define system and subsystem. 2½
- (B) Explain Data Flow Diagram. 2½
- (C) What is Cold Turkey Method ? Explain. 2½
- (D) Discuss basic issues of software reuse. 2½