

**M.C.M. (First Year) Semester—I Examination**  
**SYSTEM ANALYSIS AND DESIGN**

**Paper—1 MCM 5**

Time—Three Hours] [Maximum Marks—80

**Note :—** (1) All questions are compulsory.

(2) Assume suitable data wherever necessary.

1. (a) Explain :
  - (i) System implementation
  - (ii) System maintenance. 8
- (b) Explain Computer Based Business System with advantages and disadvantages. 8

**OR**

2. What do you mean by SDLC ? Explain all phases. 16
3. (a) Explain the symbols and rules for drawing DFD. 8
- (b) Explain structured methodology with CASE. 8

**OR**

4. (a) Explain CLD (context level data flow diagram). 4
- (b) What do you mean by Case Repositories ? 6
- (c) Explain Pseudocode. 6

5. (a) Explain Detailed Analysis. 8  
 (b) What is Feasibility Study ? Explain the terms needed to be used for feasibility study. 8

**OR**

6. (a) Explain :  
 (i) Questionnaires  
 (ii) Interview  
 (iii) Observing the current system. 12  
 (b) Explain Gantt Chart. 4
7. (a) Explain validation and verification with reference to data entry. 8  
 (b) Explain guidelines for output design. 8

**OR**

8. (a) Explain prototyping with reference to 4GLS. 8  
 (b) Explain Data Entry Process. 4  
 (c) Explain 3GLS. 4
9. (a) What do you mean by File ? Explain various types of files. 6  
 (b) Explain DBMS with its advantages. 6  
 (c) Explain Testing. 4

**OR**

10. (a) Explain System Maintenance. 8  
 (b) How to schedule and assign a Task ? Explain. 8