



B.C.A. (Part - II) Fourth Semester

System Analysis, Design and MIS**Paper - 4 ST 1**

P. Pages : 3

Time : Three Hours

Max. Marks : 60

- Note :
1. All questions are compulsory.
 2. Figures to the right indicate full marks.
 3. Assume suitable data wherever necessary.
 4. Illustrate your answer with the help of neat sketches wherever necessary.

1. a) Explain the traditional stages of system development project. **6**
b) Explain the quality Pyramid with neat sketch. **6**

OR

2. a) What is the role of system analyst in system development? Explain. **6**
b) Explain ISO 9000 standard for quality management. **6**
3. a) What is project planning? Explain different stages in planning. **6**

b) Explain any two methods of fact finding. 6

OR

4. a) Draw the context - level and level - 1 DFD for payroll system. 8

b) Explain the following: 4

1) ELH

2) ECD

5. a) What is file? Explain different types of files? 6

b) What is dialogue design? Explain. 6

OR

6. a) Explain the characteristics of effective input interface design. 6

b) What is database? Explain different types of database models. 6

7. a) Explain the concept of Management Information system with its nature & scope. 6

b) Explain the following: 6

1) Transaction processing system (TPS)

2) Decision support system (DSS)

3) Office Automation System (OAS)

8. a) Describe the concept of implementation of Management Information System. 6

b) Explain various types of decision making in MIS. 6

9. a) What is information system planning? Explain different planning terminologies. 6

b) Explain the concept of resource allocation in information system planning. 6

OR

10. a) Explain the concept of project planning. 4

b) Write a case study for networking at a technology institute. 8

OR