

First Year Second Semester M. C. A. Examination

SYSTEM ANALYSIS AND DESIGN

2 MCA 3

P. Pages : 2

Time : Three Hours]

[Max. Marks : 80

- Note :** (1) Due credit will be given to neatness and adequate dimensions.
 (2) Assume suitable data wherever necessary.
 (3) Illustrate your answer wherever necessary with the help of neat sketches.

1. (a) Explain organization as a system. State the functions of different levels of management. 7
 (b) Explain the term feasibility study. State its objectives. 6

OR

2. (a) What is the role of system analyst as a change agent ? Explain. 4
 (b) Explain SDLC. State major activities in each stage. 5
 (c) Explain any tool for activity planning. 4
3. (a) List and explain in brief the tools for information gathering. 6
 (b) State advantages of interview over questionnaire. 7

OR

4. (a) Explain interview as a tool for data collection. Write stepwise procedure for organizing and conducting interview. 8
 (b) Explain the processes Review of documents and observation. 5
5. (a) Explain the term context DFD. State purpose of DFD and rules for drawing DFD. 8
 (b) Explain prototyping as a method for rapid System Development. 6

OR

6. Draw and explain DFD for admission process of MCA governed by the centralized admission process. First write the stepwise process and then draw DFD. 14
7. (a) Explain the concept of Data Dictionary used in System Analysis and Design Process. 6
- (b) Explain the multiple criteria of decision making. 4
- (c) Draw and explain decision table. 4

OR

8. (a) Compare and contrast data dictionary and data repository. 6
- (b) What is structured English ? State its advantages. 4
- (c) What is DSS ? What are its goals ? 4
9. (a) Explain the parameters that, ascertain the hardware needs. 4
- (b) Explain the cocomo model of system costing. 7
- (c) Explain the terms milestones and deliverables in the system design process. 2

OR

10. (a) List and explain the contents of the system proposal. 7
- (b) Explain the approaches for writing and presenting system proposal. 6
11. (a) Explain the process and considerations in form design. 6
- (b) Compare traditional SAD approach and OOSAD approach. 7

OR

12. (a) State the objectives of input design. 6
- (b) What are different types of reports ? Define the term frequency of a report. 7

