

M.C.A. First Year / P.G.D.C.S. Second Semester (CGS)
15512 : Systems Analysis & Design Methods : 2 MCA 3 / 2 CS 3

P. Pages : 2
Time : Three Hours



AW - 3605
Max. Marks : 80

- Notes :
1. Due credit will be given to neatness and adequate dimensions.
 2. Assume suitable data wherever necessary.
 3. Use of pen Blue/Black ink/refill only for writing the answer book.

1. a) What is feasibility study? State its significance in the SDLC. 7
- b) Explain planning of activity control. 6

OR

2. a) Explain with suitable diagram, organizational structure. 7
- b) Define system. Explain the characteristics of an Information system. 6
3. a) Explain the data gathering tools used in process of system development. 7
- b) Explain the guidelines for designing the questionnaire with suitable example. 7

OR

4. a) Explain the management activities in organizing and conducting interview. 7
- b) Explain with example the open ended and close ended questions. 7
5. a) What is DFD? Explain the rules and notations of drawing DFD. 7
- b) Explain Rapid Application Development Process. 7

OR

6. a) Draw and explain the DRD for customer Billing system. 7
- b) What is meant by productivity tool? How does proto-typing increase the speed of system development. 7
7. a) Explain the concept of data dictionary and data repository. 7
- b) Explain structured English as a tool for process specification. 6

OR

8. a) Explain the decision making concept relevant to DSS. 7
- b) What is semi-structured decisions. Explain different criteria for decision making. 6

9. a) State and explain major parameters contributing to the cost of the project. 7
b) Explain the cost-benefit analysis. Explain the methods of project costing. 6

OR

10. a) What is system proposal? State the major contents of the proposal. 7
b) What is meant by "Estimated workload"? List the criteria evaluating system hardware. 6
11. a) State the constraints in designing screen output and print output. 7
b) Explain the term frequency of a report. Also explain the types of reports. 6

OR

12. a) Explain the object - oriented design. What are its objectives. 7
b) What are the guidelines for printed report design. 6
