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

P. Pages : 2

Time : Three Hours

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0928

AU - 3155

Max. Marks : 80

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

1. a) Define the term system analyst. Explain the role of system analyst. 7

   b) What is feasibility study? State its significance in the system development life cycle. 6

OR

2. a) Explain planning of activity control. 6

   b) What are the phases of SDLC & Explain it. 7

3. a) What is sampling? State the steps of designing and selecting good sample? 7

   b) Explain the planning designing and administering the questionnaires. 7

OR

4. a) Explain the method of planning and conducting the interviews. 7

   b) Explain the sampling and investigating Hard data. 7

5. a) Explain Logical and physical DFD's in details. 6

   b) Define the prototypes. State and explain the approaches to prototyping? 7

OR

6. a) What is DFD? Explain the rules and notation of drawing DFD. 6

   b) Explain Rapid application development process. 7

7. a) Explain with example the decision table and decision tree. 7

   b) What is semi-structured decisions. Explain different criteria for decision making. 7

OR

8. a) What is Data dictionary? State and explain its role in system development. 7

   b) What is DSS? Explain multiple criteria decision making. 7

9. a) State and explain the contents of the system proposal. 6

    b) What is cost-benefit analysis? How does it affect the decision making. 7

OR

10. a) What are the parameters needed for costing product. 6

    b) What is meant by "Estimated workload"? List the criteria for evaluating system Hardware. 7

11. a) What are the guidelines for printed report design. 6

    b) Explain five layer model of object oriented analysis. 7

OR

12. a) What are the objectives of output design? 7

    b) State the major guidelines for screen design in brief. 6

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