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M.B.A. 3rd Semester Examination

Management Information System

302

Time : 3 Hours   **Max. Marks : 60**

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary continuation sheet will be issued.

UNIT - I

1. Why is the MIS developed as a federation of systems rather than as a single, total system?

2. Information processing for decision support will differ depending on whether the decision is structured or unstructured. Explain why this is true. Choose one structured decision and one unstructured decision to illustrate your explaination.

UNIT - II

3. What is umbalanced transportation plobteem? How it can be solved?

4. The following table lists the jobs of a network alongwith their time estimates :

Activity	1-2	1-6	2-3	2-4	3-5	4-5	6-7	5-8	7-8
to	3	2	6	2	5	3	3	1	4
tm	6	5	12	5	11	6	9	4	19
t_p	15	14	30	8	17	15	27	7	28

(a) Draw the network.

(b) Calculate expected length and variance of critical path.

(c) What is the probahility that jobs on critical path will be completed by the due date 41 days?

(d) What is the approximate probability that jobs on next most critical path will be completed by due date?

(e) What is your estimate of probability that entire project will be completed by due date.

UNIT - III

5. Identify and describe the output of the phases of the system development life cycle.

6. What is the significance of modularity in a technique for physical system design.

UNIT - IV

7. What is DBMS. Explain types of DBMS.

8. Explain three Data Models: Hierarchical, Network and Relational.

UNIT - V

9. Describe the impact of computerization on organisation and society.

10. Write short notes on:

(a) Computer Viruses

(b) Legal dimensions of computerization.