(vii) Decision trees could be represented in different ways such as
(a) bottom to top   (b) left to right
(c) top to bottom   (d) all of the above.

(viii) Which one of the following is not a business driver for an information system?
(a) business process redesign
(b) proliferation of networks and the Internet
(c) security and privacy
(d) collaboration and partnership

(ix) Which of the following is not a class of information system applications?
(a) Database management system
(b) Decision support system
(c) Expert system
(d) Management information system.

(x) What term refers to the structure, and substructures, of an organization's information systems?
(a) Subsystems   (b) System formations
(c) IT Configurations   (d) Infrastructure.

Group - B

2. (a) What is system? What are its characteristics?

   (b) Explain the decision tree and decision table with suitable example.

   (1 + 3) + 8 = 12

3. (a) What are the different type of Information?

   (b) Distinguish between Formal and Informal Systems.

   5 + 7 = 12

Group - C

4. (a) Discuss various constraints that come in the way of operating an effective MIS. How these constraints could be avoided to some extent?

   (b) What is the difference between structured and unstructured decision?

   (3 + 4) + 5 = 12

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5. (a) What are the different levels of management decision making? In a university scenario, with the help of an example, show the types of decisions taken in each level, people involved in the decision making process in those levels and how those decisions are carried out.

   (b) Discuss the objectives and characteristics of MIS.

   (3 + 4) + 5 = 12

Group – D

6. (a) What is transaction? Explain briefly the role of Transaction Processing System (TPS) in business process.

   (b) Describe the various types of office automation systems and mention their uses.

   (1 + 5) + 6 = 12

7. Explain the significance of DSS. What are the components of DSS? Explain DSS model.

   (3 + 4 + 5) = 12

Group - E

8. (a) What is Expert System? Explain the components of it in detail.

   (b) What is Flow-chart? What are the advantages of using flow chart?

   (2 + 5) + (1 + 4) = 12

9. Write short note on: **(3 × 4) = 12**
   i.   Warnier/ ORR diagram.
   ii. Knowledge Management.
   iii. Executive Information System.

MANAGEMENT INFORMATION SYSTEM
(MCAP 1105)

Time Allotted : 3 hrs **Full Marks : 70**

Figures out of the right margin indicate full marks.

Candidates are required to answer Group A and
any 5 (five) from Group B to E, taking at least one from each group.

Candidates are required to give answer in their own words as far as
practicable.

Group – A
(Multiple Choice Type Questions)

1. Choose the correct alternative for the following: **10 × 1 = 10**

    (i)   A task of developing a technical blueprint and specifications for a solution that fulfils the business requirements is undertaken in which of the following phase of the system development process?
    (a) System initiation   (b) System Implementation
    (c) System Design   (d) Feasibility Analysis.

    (ii)   An information system that supports the planning and assessment needs of executive management is
    (a) DSS   (b) TPS   (c) MIS   (d) ERP.

    (iii)   Knowledge based system supports _____
    (a) knowledge of creation   (b) knowledge of support
    (c) knowledge of Dissemination   (d) all of the above.

    (iv)   Which of the system uses Multidimensional data analysis?
    (a) DSS   (b) MIS   (c) ESS   (d) All of the above.

    (v)   A system is called .... when the inputs, process and the outputs are known with certainty.
    (a) probablistics   (b) deterministic
    (c) open   (d) close.

    (vi)   Decision makers who are concerned with tactical (short-term) operational problems and decision making are
    (a) middle managers   (b) executive managers
    (c) supervisors   (d) none of the above.