

**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) The expert system uses a(n) \_\_\_\_\_ to select the most appropriate response.  
(a) inference (b) knowledge base  
(c) decision support system (d) data source.
  - (ii) The \_\_\_\_\_ can help you choose a product.  
(a) Office automation system (b) MIS  
(c) TPS (d) DSS.
  - (iii) System is an important factor of MIS. There are various types of systems. Which one of the following is not a system?  
(a) Physical system (b) Integrated system  
(c) Open system (d) Probabilistic system.
  - (iv) Summary transaction data, high-volume data, and simple models are information inputs characteristic of a (n)  
(a) DSS (b) MIS (c) ESS (d) TPS.
  - (v) In Management Information System, which is the correct order of the reference of activities that the manager processes?  
(a) Planning, organizing, staffing, coordinating, directing, controlling  
(b) Planning, staffing, coordinating, organizing, directing, controlling  
(c) Planning, organizing, staffing, coordinating, controlling, directing  
(d) Planning, directing, organizing, staffing, coordinating, controlling.
  - (vi) Knowledge based system supports \_\_\_\_\_  
(a) knowledge of creation (b) knowledge of support  
(c) knowledge of Dissemination (d) all of these.

- (vii) Preparing short-term budgets is an example of a finance and accounting information system operating at the  
 (a) Operational level (b) Management level  
 (c) Knowledge level (d) Strategic level.
- (viii) Information systems that support the business functions that reach out to suppliers are known as:  
 (a) back office information systems (b) decision support systems  
 (c) front office information systems (d) expert information systems.
- (ix) Information systems that monitor the elementary activities and transactions of the organizations are  
 (a) Management-level system (b) Operation-level system  
 (c) Knowledge-level system (d) Strategic level system.
- (x) Which of the following is part of a static view of information?  
 (a) Meta data (b) Logical data model  
 (c) Information process model (d) Data flow model.

**Group - B**

2. (a) What is system? What are its characteristics?  
 (b) Discuss the role of information in decision making.  
 (c) Compare and contrast the terms Decision Trees and Decision Tables with a suitable example.

**(1 + 3) + (3 + 5) = 12**

3. (a) What is meant by system analysis? Explain the structured flow chart.  
 (b) What is HIPO diagram? What are the advantages and disadvantages of HIPO diagram?

**6 + 6 = 12****Group - C**

4. (a) Differentiate between structured and unstructured decisions with the help of suitable examples.  
 (b) Discuss the various components and framework for understanding MIS.

**6 + 6 = 12**

5. (a) In business pyramid, identify and define the roles of various IS in the bottom, middle and top levels of the organization.  
 (b) Explain the differences between Formal and Information systems.

**6 + 6 = 12****Group - D**

6. (a) What do you understand by Decision Making? Discuss the nature and characteristics of Decision.  
 (b) Explain the payroll system of an organization.
7. (a) What is transaction? Explain briefly the role of Transaction Processing System (TPS) in business process.  
 (b) What are the differences between office automation system and virtual office?

**(4 + 4) + 4 = 12****6 + 6 = 12****Group - E**

8. (a) Explain the working principles of DSS.  
 (b) Write down the differences between expert system and executive support system.
9. Write a short note (any Three):  
 (i) Computer crime.  
 (ii) Computer security.  
 (iii) Knowledge Based System.  
 (iv) GDSS.  
 (v) Computer ethical challenges.

**6 + 6 = 12****(3 × 4) = 12**