R.N.G.PATEL INSTITUTE OF TECHNOLOGY-RNGPIT
(An Autonomous College U/s UGC Act 1956)

MBA SEMESTER-I, SEMESTER END EXAMINATION - WINTER 2024

Subject Code: 1MB1104   **Date:21-01-2025**
Subject Name: Management Information Systems
Time: 09:00 AM TO 12:00 PM   **Total Marks: 70**

Instructions
1. It is **compulsory** for students to write **Enrolment No. /Seat No.** on the question paper.
2. Write answers of **Section A** and **Section B** in **separate answer books**.
3. Attempt all questions from both **Section A** and **Section B**.
4. Each section carries **35 marks**, with a total of **70 marks** for the examination.
5. The figures to the right of each question indicate full marks, make suitable assumptions with justification.
6. BL - Bloom's Taxonomy Levels (R-Remember, U-Understanding, A –Application, N –Analyze, E – Evaluate, C -Create), CO - Course Outcomes.

SECTION A

		Marks	BL	CO
Q.1	**Multiple-Choice Questions**	**[05]**		
(a)	Which of the following is a primary goal of green computing?	**1**	**R**	**3**

    (i) Increasing advertising revenue **(ii)** Reducing environmental impact of technology
    (iii) Boosting software piracy **(iv)** Promoting unauthorized use of software

		Marks	BL	CO
(b)	Which of the following is an example of real-time processing in a TPS?	**1**	**U**	**2**

    (i) Payroll processing **(ii)** ATM withdrawals

    (iii) Inventory updates in batches **(iv)** Monthly sales report generation

		Marks	BL	CO
(c)	Which business function does an Executive Support System (ESS) support the most?	**1**	**N**	**4**

    (i) Order processing **(ii)** Market analysis and sales forecasting
    (iii) Transaction processing **(iv)** Employee payroll management

		Marks	BL	CO
(d)	What is E-Commerce primarily focused on?	**1**	**R**	**3**

    (i) Selling products through physical stores **(ii)** Buying and selling products and services over the internet
    (iii) Managing employee payroll **(iv)** Tracking inventory in real-time

(e) A worm is different from a virus because it: **1**   **U**   **4**

     (i) Requires a host program to spread   **(ii)** Is always harmless

     (iii) Can spread without human intervention   **(iv)** Only affects mobile devices

Q.2   **Attempt Any Two**   **[10]**

(a) What is Intellectual Property (IP)? Explain the concept of IP theft with an illustrative example.   **5**   **U**   **4**

(b) Write Down Decision Support System with its functions and applications.   **5**   **A**   **1**

(c) What is a digital dashboard? Explain its key features and highlight two types of digital dashboards with examples.   **5**   **N**   **2**

Q.3   **Attempt Any Two**   **[10]**

(a) Write Down Transaction Processing System with its functions and applications.   **5**   **U**   **1**

(b) Explain Ethical Responsibilities of business professionals.   **5**   **U**   **4**

(c) Explain the role of Management Information Systems (MIS) in E-business. In your answer, include its key components and at least two benefits it provides to e-businesses.   **5**   **A**   **5**

Q.4   **Attempt Any Two**   **[10]**

(a) What is Mobile Computing ,write down advantages, applications and challenges. And give one good example of Mobile Computing.   **5**   **U**   **1**

(b) Write Down Executive Support System with its functions and applications.   **5**   **A**   **5**

(c) You are managing an online retail store and have noticed delays in processing customer orders and difficulty in tracking inventory levels during peak sales periods. Explain how implementing a Management Information System (MIS) in your e-business can help address these issues. Discuss the key components of MIS that would be essential for your store.   **5**   **N**   **1**

		Marks	BL	CO

Q.5 Multiple-Choice Questions **[05]**

(a) An Expert System uses --------- to select the most appropriate response. **1 R 4**

    (i) Inference Engine   (ii) Decision Support System

    (iii) Knowledge Base   (iv) Data Source

(b) ----- is a field of science and technology-based on disciplines such as computer science, biology, physiology, linguistics, mathematics and engineering. **1 R 1**

    (i) Natural Intelligence   (ii) Artificial Intelligence

    (iii) Articulate Intelligence   (iv) None of the above

(c) Which category of computer-based information systems is concerned with supporting the functional area of an organization? **1 U 2**

    (i)Strategic Information System   (ii) Management Information System

    (iii) Expert System   (iv)End user Computing System

(d) Enterprise Systems Support **1 U 2**

    (i) Manufacturing Processes   (ii) Financial and Accounting Systems

    (iii)Human Resources Processes   (iv) All of the above

(e) Business Intelligence and data warehousing are used for which of the following? **1 U 3**

    (i) Data Mining   (ii) Analysis of large volumes of data

    (iii) What-if Analysis   (iv) All of the above

Q.6 Attempt Any Two **[10]**

(a) Explain importance of Information Systems in Business in current environment. **5 U 5**

(b) Discuss the types of information system/s used at top management level in the organization. **5 A 4**

(c) Explain the challenges posed by Information Technology in protecting data and ensuring information security in organizations. **5 N 5**

Q.7 **Attempt Any Two** [10]

(a) Explain Decision Support System for a Finance Manager.   5   A   2

(b) Discuss advantages of implementing ERP in an organization.   5   N   5

(c) Discuss features of Transaction Processing System.   5   U   1

Q.8 **Attempt Any Two** [10]

(a) Write short note on Human Resource Information System (HRIS).   5   U   2

(b) Discuss limitations of computer-based information systems.   5   N   5

(c) Explain elements of Supply Chain Management System.   5   A   2

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