

**A-0821**

Total Pages : 3

Roll No. ....

**MCS-406/DCA-106**

**INFORMATION SYSTEM FOR BUSINESS**

**(MSCIT/DCA)**

Examination, June 2025

Time : 2:00 Hrs.

Max. Marks : 70

**Note :-** This paper is of Seventy (70) marks divided into Two (02) Sections 'A' and 'B'. Attempt the questions contained in these Sections according to the detailed instructions given therein. *Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.*

**Section-A**

**Long Answer Type Questions**      2×19=38

**Note :-** Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any *two* (02) questions only.

1. A financial institution is struggling with managing and retrieving customer data efficiently. Design a solution using a Database Management System (DBMS) and software tools. Discuss the challenges you might face and how to address them.
2. Discuss the role of cybersecurity frameworks in mitigating insider threats. Analyze a real-world example where a breach was caused by internal vulnerabilities.
3. A logistics company is implementing Business Process Automation (BPA) for real-time tracking of shipments. Develop a strategy to integrate Information Systems with their supply chain processes. Include potential challenges and solutions.
4. Evaluate the impact of organizational culture on the successful adoption of new Information Systems. Provide examples where poor user adoption led to project failures.
5. Analyze how emerging technologies such as quantum computing or the Internet of Things (IoT) might reshape the future of Information Systems. Discuss potential applications and limitations.

### **Section–B**

#### **Short Answer Type Questions**

4×8=32

**Note :-** Section ‘B’ contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. What are the critical success factors for implementing an enterprise-wide Information System ?
2. Explain the role of solid-state drives (SSDs) compared to traditional hard drives in improving system performance.
3. What is the significance of API (Application Programming Interface) in modern software systems ?
4. Discuss the concept of “Does IT Matter ?” in the context of competitive advantage.
5. Highlight the role of a Chief Information Officer (CIO) in an organization.
6. Briefly discuss the ethical challenges associated with Information Systems.
7. What are some of the future trends expected in Information Systems ?
8. Define the Systems Development Life Cycle (SDLC) explain with suitable example.

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