

A-1296

Total Pages : 3

Roll No.

MCS-406/DCA-106

(MSCIT/DCA)

Information System for Business

Examination February, 2026

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.

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(1)

P.T.O.

1. Critically evaluate the role of Information Systems in modern organizations. How do IS capabilities create sustainable competitive advantage ? Support your answer with real-world examples.
2. Analyze and compare various hardware architectures used in enterprise environments. Justify how hardware decisions influence overall IS performance and scalability.
3. Examine and assess different software development methodologies (Waterfals Agile). Propose which methodology is most suitable for a global enterprise and why.
4. Discuss and evaluate advanced concepts of Data and Database Management. Differentiate between centralized, distributed, and cloud-based databases.
5. Investigate and critique the emerging future trends in Information Systems, such as AI-driven MIS, blockchain applications, and quantum computing. Predict their impact on global business environments.

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. Define and Illustrate the essential components of an Information System.
2. Differentiate between system software and application software with suitable examples.
3. Explain the concept of data integrity and justify its importance in organizational databases.
4. Summarize various network topologies and identify their suitable applications.
5. Discuss major types of IS security threats and suggest preventive measures.
6. Assess Nicholas Carr’s argument in ‘Does IT Matter ?’ in the context of modern businesses.
7. Explain the role of people in Information Systems and highlight the key competencies required.
8. Interpret the ethical and legal challenges arising from the use of Information Systems in organizations.
