

A-0837

Total Pages : 3

Roll No.

MCA-E8/MCS-E8

INFORMATION SYSTEM FOR BUSINESS

(MCA)

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. Discuss the components of Information Systems and explain the role of Information Systems in modern businesses.
2. What is a Database Management System (DBMS) ? Compare and contrast DBMS with Relational Database Management System (RDBMS) and explain the process of normalization.
3. Define Cloud Computing. Discuss its advantages and disadvantages in the context of business operations.
4. Explain the concept of Business Process Reengineering (BPR). How does it differ from traditional process improvement methods ?
5. Discuss the Information Security Triad and elaborate on the tools and techniques used to ensure information security in organizations.

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 different types of software ? Briefly explain the functions of each type.
2. Describe the role of the CPU in data processing and explain Moore's Law.
3. What is a Data Warehouse ? Discuss its benefits for businesses.
4. Explain the concept of Decision Support Systems (DSS) and their importance in decision-making.
5. What do you mean by Business Process Management and ERP System ?
6. What is globalization ? Discuss its impact on the digital divide.
7. Define Information Systems Ethics and discuss its significance in the context of information technology.
8. Write short notes on :
 - (a) Solid-State Drives
 - (b) Encryption
 - (c) Help-Desk/Support Analyst
 - (d) Copyright and Intellectual Property
