

4. Write a short note on the following topics :  
10  
**(any one)**

- (a) Features and uses of DBMS in Managing Data
- (b) Role of Spreadsheets in Data Analysis
- (c) System software and Application software

Total number of printed pages-4

**63 (FY)SEM-2/IDC2/MOCIDC1043**

**2024**

**INFORMATION TECHNOLOGY**

Paper : MOCIDC1043

Full Marks : 50

Pass Marks : 20

Time : Two hours

**The figures in the margin indicate full marks for the questions.**

1. Answer the questions : **(any five)** 2×5=10
- (a) What are the main properties of Information Technology?
  - (b) What is the primary function of a compiler?
  - (c) Name two types of input devices.
  - (d) What is volatile memory? Provide an example.

(e) Describe the primary role of a call center.

(f) What is an operating system?

(g) Define the importance of operating system in computer.

2. Answer the questions : **(any five)**

2×5=10

(a) Explain the importance of Information Technology in education.

(b) How does an interpreter differ from a compiler?

(c) List three common output devices and their uses.

(d) What are the key features of spreadsheet software?

(e) Describe the main functions of word processing software.

(f) What are the basic components of a network?

(g) Define the term 'data.' How is it different from information?

(h) What is DBMS? Mention one popular DBMS software.

(i) Describe two key features of a DBMS.

3. Answer the questions : **(any five)**

4×5=20

(a) Discuss the impact of Information Technology on business operations. Provide specific examples.

(b) Explain the evolution of computers through the generations. Include key characteristics and advancements in each generation.

(c) How do input and output devices work together in a computer system? Provide examples of each.

(d) Compare and contrast RAM and ROM.

(e) Discuss the role of GIS in urban planning and management.

(f) Explain the different types of networks (LAN, WAN, MAN) and their uses.

(g) Describe the role and features of an operating system in managing hardware and software resources.

(h) What is a PowerPoint presentation? Describe its key features and uses in Education.