

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.

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

(a) Features and uses of DBMS in  
Managing Data

(b) Role of Spreadsheets in Data Analysis

(c) System software and Application  
software

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