

**A-1285**

Total Pages : 3

Roll No. ....

**DIT-01/CCA-01**

**(DIT/CCA)**

**Introduction to Information Technology**

Examination February, 2026

Time : 2:00 Hrs.

Max. Marks : 100

**Note :-** This paper is of Hundred (100) 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) 2×26=52**

**Note :-** Section 'A' contains Five (05) Long-answer type questions of Twenty Six (26) marks each. Learners are required to answer any *two* (02) questions only.

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( 1 )

P.T.O.

1. Explain in detail the functional components of a computer system, including input, output, memory, CPU, ALU, CU, and system bus, with a neat labelled diagram.
2. Explain primary memory (RAM, ROM, Cache) and secondary memory (HDD, SSD, optical storage) with features and functions.
3. Describe application software categories such as word processors, spreadsheets, database software, presentation tools, and specialized software.
4. Explain the functioning of the processor, instruction cycle, clock speed, and factors affecting CPU performance.
5. Write a detailed note on protocol hierarchy and the role of protocols in communication.

### **Section–B**

**(Short Answer Type Questions)**      $4 \times 12 = 48$

**Note** :– Section ‘B’ contains Eight (08) Short-answer type questions of Twelve (12) marks each. Learners are required to answer any *four* (04) questions only.

1. Explain the characteristics of computers and how they influence modern computing tasks.

2. Classify computers based on their processing capabilities and explain each type.
3. Write a note on memory measurement units :  
bit, byte, KB MB, GB, TB
4. Describe magnetic, optical, and solid-state storage devices.
5. Explain the difference between open-source and proprietary software.
6. Describe different types of expansion cards.
7. Write a short note on Hub, Switch, and Bridge.
8. Explain peer-to-peer and client-server networks.

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