

A-0810

Total Pages : 3

Roll No.

DIT-01/CCA-01

**INTRODUCTION TO INFORMATION
TECHNOLOGY**

(DIT/CCA)

Examination, June 2025

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.

1. Explain what is a computer and explain all the components of a computer using a suitable diagram.
2. Explain how the data store in primary and secondary memory while working in a file of word in a computer. Explain using a example each steps involve in this process.
3. A person A sitting in haldwani wants to send a mail to his friend B sitting in Dehradun. How different layers of ISO/OSI works for this communication. Explain using a diagram.
4. Explain how ISP contribute while accessing internet. Also explain the use of Internet address while making a communication among two persons.
5. Explain how the communication establish between hardware devices as follows system unit, motherboard, processors, buses and I/O ports.

Section–B

Short Answer Type Questions 4×12=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. Illustrate different generations of computers.

2. Explain different application of internet.
3. What do you understand by internetworking devices.
Explain why routers are used as networking device within a network.
4. Differentiate between bits and bytes along with their uses ? Also explain different types of computer memories, their classification and uses.
5. Illustrate and explain following components :
 - (a) Processor
 - (b) Buses
 - (c) I/O ports
6. What are different types of networks ? Also explain about protocol hierarchy.
7. Explain following terms :
 - (a) Password
 - (b) Viruses
 - (c) Firewalls
8. What is ISP ? Name some of them. How they provide internet addresses ? Also define the size of internet address.
