

A-1288

Total Pages : 3

Roll No.

DIT-04

Diploma in Information Technology (DIT)

**Fundamental of Networking and
Web 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. What is Data communication ? Explain the goals and application of computer network.
2. Explain IPv4 and IPv6. How are IP address assigned ?
3. What is Web Technology ? What are the different client side web tools and server side web tools ? Describe.
4. Explain various Control and looping structures used in JavaScript.
5. Explain the difference between OSI and TCP/IP reference model.

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. Explain the Network Topology. What are its types ?
2. Explain Radio waves, Infrared and Microwave.
3. Explain the Web Servers and Web browsers.
4. What do you mean by switching ? Explain the circuit switching.

5. Explain sliding window protocol.
6. Write short notes on the following :
 - (i) HTTP
 - (ii) FTP
 - (iii) ISP
 - (iv) Web Page
7. Write an HTML code that will display a table of students name, roll number, total marks.
8. Explain the features of XML.
