

Seat No. **OCT-NOV 2025 WINTER EXAMINATION****11731 Bachelor of Technology (NEP-2.0)****Sub. Name: Computer Networks****Sub. Code: 114470/112922****Day and Date: Friday ,05-12-2025****Total Marks: 60****Time: 02:30 PM To 05:00 PM****Instructions:**

- Special Inst.:**
1. Question No. 1 and Question No. 5 are compulsory.
  2. Solve any two questions from Question No. 2 to Question No. 4.
  3. Assume suitable data wherever necessary
  4. Figures to the right indicate full mark

- Q1) Solve any three questions from following. [15]**
- a. Explain Network Benefits in details [5]
  - b. What is mean by Topology? explain it with its type [5]
  - c. Explain Guided and Unguided Transmission Media [5]
  - d. Explain Peer-to-Peer Network and Server-Based Network [5]
- Q2) Solve the following questions [15]**
- a. Explain OSI Reference Model in detail [8]
  - b. What are the duties of Network layer in OSI Reference model explain in brief [7]
- Q3) Solve the following questions. [15]**
- a. Explain TCP / IP Protocol Suite in details [8]
  - b. Comparison between OSI and TCP / IP Network Model [7]
- Q4) Solve the following questions. [15]**
- a. Explain Physical address, Logical address [8]
  - b. Difference between TCP and UDP [7]
- Q5) Write short note [15]**
- a. IP address (IPV4, IPV6) [5]
  - b. DNS [5]

c. FTP

**[5]**

## **End Of Question Paper**

**Important Note for Chief Exam Officer / SRPD Coordinator / Sr Supervisor/ Student -**

This Question Paper may be distributed for following Subjects as common code.

सदरची प्रश्नपत्रिका खालील विषयांकरिता वितरित करता येईल.

1] (11731) Bachelor of Technology (NEP-2.0) (112922) Computer Networks Part 2 SEM 3

2] (1154) B.Tech. CBCS (114470) Computer Networks Part 2 SEM 3

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