

Seat No. **OCT-NOV 2025 WINTER EXAMINATION****1154 B.Tech. CBCS****Sub. Name: Computer Networks - II****Sub. Code: 63532/79140/79428****Day and Date: Monday ,08-12-2025****Total Marks: 70****Time: 10:30 AM To 01:00 PM**

Instructions: 1. All questions are compulsory
 2. Assume suitable data wherever necessary and mention it boldly
 3. Figures to the right indicate full marks

- Q1)** Solve any 2 of the following (7 Marks Each) **[14]**
 a. Define the Terms 1. Multiprotocol server 2. Multiservice server
 b. Explain in detail about Transition from IPv4 to IPv6.
 c. Explain bind(), sendto() , recvfrom(), listen() socket system calls.
- Q2)** Solve any 2 of the following (7 Marks Each) **[14]**
 a. Explain ICMPv6 messages in detail.
 b. Draw and Explain DHCP Packet format
 c. Write the port numbers for the following protocols for TCP/UDP.
 i. ECHO
 ii. DAYTIME
 iii. FTP-DATA
 iv. FTP-CONTROL
 v. TELNET
 vi. HTTP
 vii. POP-3
- Q3)** Solve any 2 of the following (7 Marks Each) **[14]**
 a. Discuss how file transfer can be done using FTP? Explain three types of file transfer.
 b. Define different modes of operations in TELNET
 c. Discuss the DNS Message in detail
- Q4)** Solve any 2 of the following (7 Marks Each) **[14]**
 a. What are the types of web Documents explain in detail?
 b. Draw and Explain browser Architecture.
 c. With neat diagram explain architecture of E-mail system
- Q5)** Solve any 2 of the following (7 Marks Each) **[14]**
 a. Explain Session Initiation Protocol in detail. Also Explain mechanism of SIP to track the callee.
 b. Explain all the methods of streaming stored audio and video using media server and RTSP.

c. Discuss in detail about RTP and RTCP

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] (101) Bachelor of Engineering (79428) Computer Networks - II Part 2 SEM 4
- 2] (1154) B.Tech. CBCS (79140) Computer Networks - II Part 2 SEM 4
- 3] (101) Bachelor of Engineering (63532) Computer Networks Part 2 SEM 4