

Seat No. **OCT-NOV 2025 WINTER EXAMINATION****11731 Bachelor of Technology (NEP-2.0)****Sub. Name: Computer Networks****Sub. Code: 114462/112912****Day and Date: Friday ,05-12-2025****Total Marks: 60****Time: 02:30 PM To 05:00 PM**

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

Special Inst.: 1. Question no. 1 & 5 is compulsory
2. Answer any two questions from Q. No. 2 to Q. No.4

- Q1)** Solve any three questions from following. [15]
- a. Differentiate between LAN and WAN. [5]
 - b. What is ALOHA & Explain Slotted Aloha with neat diagram. [5]
 - c. Explain IP Datagram header format? [5]
 - d. Explain bit stuffing strategy with diagram. [5]
- Q2)** Solve the following questions. [15]
- a. Explain the transport service primitives in detail? [8]
 - b. Explain Connectionless Iterative Server with neat diagram. [7]
- Q3)** Solve the following questions. [15]
- a. Explain the concept of persistent HTTP. [8]
 - b. Explain DNS messages. [7]
- Q4)** Solve the following questions. [15]
- a. Explain the concept of RTP. [8]
 - b. Explain the working VoIP. [7]
- Q5)** Write short note on following [15]
- a. Explain the header format of TCP segment? [5]
 - b. Explain the working of POP3. [5]

c. Explain the working SIP.

[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] (1154) B.Tech. CBCS (114462) Computer Networks Part 2 SEM 3

2] (11731) Bachelor of Technology (NEP-2.0) (112912) Computer Networks Part 2 SEM 3