

Seat No. **OCT-NOV 2025 WINTER EXAMINATION****1154 B.Tech. CBCS****Sub. Name: Computer Networks****Sub. Code: 86163****Day and Date: Monday ,08-12-2025****Total Marks: 70****Time: 02:30 PM To 05:00 PM**

**Instructions:** 1. Assume suitable data wherever necessary and mention it boldly  
2. Draw neat labelled diagrams wherever necessary  
3. Figures to the right indicate full marks

**Special Inst.:** Solve any four questions from Q. No. 1 to Q. No. 5 and Q. No. 6 is compulsory

- Q1)** Attempt the following questions [15]  
a) List and explain types of networking components are used for build a network (8 Marks)  
b) Differentiate TCP and UDP (7 Marks)
- Q2)** Attempt the following questions [15]  
a) What are the duties of data link Layer (8 Marks)  
b) Explain Guided media and unguided media in detail (7 Marks)
- Q3)** Attempt the following questions [15]  
a) Explain TCP/IP in detail (8 Marks)  
b) Explain the Hamming Code in detail (7 Marks)
- Q4)** Attempt the following questions [15]  
a) Comparison between standard Ethernet and fast Ethernet (8 Marks)  
b) Explain the types of network used in network LAN, MAN, and WAN (7 Marks)
- Q5)** Attempt the following questions [15]  
a) What is mean by Error detection and Error correction (8 Marks)  
b) Explain network management layer protocol SNMP in detail (7 Marks)
- Q6)** Write a short note on: (Any 2) [10]  
a) Classful addressing and Classless addressing  
b) OSI Reference model  
c) UDP

**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.

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