



RAN-2011000305020082

B.Sc. Computer Science (Sem. - V) Examination October - 2025

Computer Networking (Old) : (Paper - 502)

Time: 2 Hours]
[Total Marks: 50
સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book

Seat No.:

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Student's Signature

Q. 1 Answer the following questions (Any Seven)
14

1. What is Computer Network?
2. Define the term: topology.
3. What is Logical address?
4. Define multicasting and broadcasting.
5. What is proxy server?
6. What is routing?
7. What is the purpose of CSMA?
8. What is the use of RARP?

Q. 2 (a) Write a note on components of network.
06

- (b) Define logical topology. Explain ring logical topology.

06
OR

- (a) Explain client-server network. Compare its working with P2P network.

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- (b) Write a note on fiber optic cable in detail.

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Q. 3 (a) What is DNS? Write a detailed note on DNS.
06

- (b) Write a note on IP Address classification.

06
OR

- (a) Discuss router, switch and hub in detail.

06

- (b) Compare TCP/IP reference model and OSI model.

06
Q. 4 Write a short note on the following. (Any Three)
12

- IMAP.
- Write a note on twisted pair cable.
- circuit switching.
- Comparison of FTP and HTTP