



RAN-2511000905055001

T.Y. B.C.A (NCF-NEP) (Sem. -V) Examination October - 2025
502-MINOR-2- Network Technology

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. (A) Answer the Following (Any Five)

[5]

- Identify the protocol which provide service to the user.

A) Session Layer	B) Presentation Layer
C) Application Layer	D) Data Link Layer
- What is the term for a private network used within an organization?

A) Internet	B) Intranet
C) Extranet	D) Broadcast
- Which protocol is used for transfer files between computers?

A) FTP	B) SMTP
C) HTTP	D) IP
- Which of following cable types offers highest bandwidth and speed?

A) UTP	B) Coaxial
C) Fiber Optic	D) HDMI
- What does FANET stand for?

A) Fixed Area Network	B) Fiber Ad hoc Network
C) Flying Ad hoc Network	D) Fast Access Network
- Which layer ensures reliable end-to-end communication?

A) Network Layer	B) Transport Layer
C) Data Link Layer	D) Session Layer

(B) Answer in Short (Any Four)

[8]

- What is Internet?
- What is Gateway?
- List two types of network cables.
- What is IMAP?
- What is datagram?
- What is function of router?

Q.2. Answer the following:

- A. What is Topology? Explain its types.

[8]

OR

- A. Write a Case Study of Steps and protocols involved in accessing URL.

B. What is Network? Explain WAN in detail. [5]

OR

B. Give difference between Internet vs Intranet.

Q.3. Answer the following (Any 2) [12]

- a) Write note on IP address.
- b) What is casting? Explain its types.
- c) Explain MANET in details.

Q.4. Answer the following (Any 2) [12]

- a) Differentiate HTTP vs HTTPS
 - b) What is Search Engine? How it works.
 - c) Explain E-mail message Components.
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