MAY 2025 **U/ID 46518/UCC6B**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. What is network?
2. Define: Digital data.
3. Write the types of serial transmission.
4. What is topology?
5. Define: Half-duplex.
6. Define: ATM layer.
7. What is Gateway?
8. What is packet switching?
9. What is ISDN?
10. What is TCP?
11. What is bridge?
12. What is router?

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Write a short note on transmission impairments.

14. Describe parallel and serial transmission techniques.

15. Explain the signals of Analog and digital.

16. Explain about message switching.

17. Briefly explain : circuit switching.

18. Explain about ATM topology.

19. Explain about routers with examples.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Explain about analog signals and analog transmission.

21. Explain about guided and unguided media transmission.

22. Briefly explain the types of multiplexing.

23. Discuss about the history of Analog and digital network.

24. Briefly explain the following :

    (a) World wide web

    (b) Repeaters

    (c) TCP/IP networks.

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