DECEMBER 2023 **U/ID 46518/UCC6B**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions

1. What is LAN?

2. What is Ring Topology?

3. What is the function of Physical Layer?

4. What is parallel Transmission?

5. Distinguish between multiplexer and Demultiplexer.

6. What is Error correction?

7. What is Burst Error?

8. Write short note : Packet Layer protocol.

9. What are ATM Protocol?

10. What are Broad band ISDN?

11. What is TCP/IP?

12. What are Bridges?

PART B — ($5 \times 5 = 25$ marks)

Answer any FIVE questions.

13. Write about Transmission modes.

14. Distinguish between parallel and serial Transmission.

15. Write short notes on EIA 202 and X.21.

16. Write about Ethernet.

17. Discuss briefly about any two multiplexing.

18. Discuss briefly on : Token Bus.

19. Write briefly on Routing Algorithm with Examples.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions

20. Describe in detail classification of Network.

21. Compare various switching Techniques.

22. Write short notes on
    (a) Ethernet
    (b) IEEE 8026

23. Explain Broad band ISDN.

24. Discuss in detail Routers and Gateways.
