MAY 2024 **U/ID 46518/UCC6B**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. What is Data communication?

2. What is Network?

3. What is Modem?

4. What is Error Detection?

5. What is Ethernet?

6. What is Switching?

7. What is ATM?

8. What is Digital Network?

9. What is Broad Band?

10. What is connectionless service?

11. What is Application Layer?

12. Expand : TCP/IP.

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Explain briefly the Wireless Transmission.

14. Compare Analog and Digital Signals.

15. Explain about : Multiplexing.

16. Explain : Error Control.

17. Discuss about ISDN Layers.

18. Discuss about ATM protocol.

19. Explain about :

    (a) Bridge

    (b) Gateway.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Explain the Architecture of OSI with neat diagram.

21. Discuss about parallel and serial transmission with examples.

22. Explain briefly :

    (a) Circuit switching

    (b) SMDS.

23. Explain about the ATM Network Topology with examples.

24. Discuss in detail about connection and connectionless oriented services.
