MAY 2022 **U/ID 46518/UCC6B**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Define the term : Data Communication.
2. What is a protocol?
3. What is modem?
4. Write the types of serial transmission.
5. What is multiplexing?
6. What is meant by switching?
7. Define : message switching.
8. What is an ATM cell?
9. What is Ethernet?
10. Define : Connectionless services.
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 and contrast Analog and Digital signals.

15. Explain : Error Control.

16. Discuss about : Multiplexing.

17. Discuss about : ISDN Layers.

18. Explain about Routing Algorithm.

19. Discuss about

    (a) Bridges

    (b) Gateway.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Explain the architecture of OSI model with a neat diagram.

21. Discuss about Asynchronous Transmission in detail.

22. Explain briefly

    (a) Circuit switching

    (b) SMDS

    (c) Multiplexing application.

23. Explain the Architecture of ATM network with a neat diagram.

24. Discuss in detail connection oriented and connectionless services.
