DECEMBER 2022 **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 Topology?

3. Define the term 'Modern'.

4. Name the two major categories of Transmission Media.

5. What is Ethernet?

6. What is Multiplexing?

7. What is Packet?

8. What is a Switch?

9. What is ATM?

10. What is ISDN?

11. What is Router?

12. What is Gateway?

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions

13. Explain the TCP / IP reference Model.

14. Explain Analog and Digital Transmission.

15. Explain how guided Media differ from unguided Media.

16. Explain about Connection Oriented Services.

17. List the advantages of ATM Topology.

18. Explain Error Control.

19. Write a brief note on Routing.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions

20. Briefly explain two guided Media with examples.

21. Discuss about Parallel and Serial Transmissions with examples.

22. Explain the different types of Multiplexing.

23. Explain the ATM cells and their Transmissions.

24. Explain the following :

(a) Repeaters

(b) World Wide Web
