

COMPUTER NETWORKS

Time : Three hours

Maximum : 100 marks

PART A — (6 × 5 = 30 marks)

Answer any SIX questions.

1. Write about the TCP/IP networks.
2. What is meant by frame relay?
3. Explain the asynchronous transmission.
4. Discuss about the FTP.
5. Compare fiber optics and copper wire.
6. What are the functions of MODEM?
7. Write short notes on Error detection.
8. Discuss the parallel transmission.
9. Explain the digital signature.
10. Discuss the circuit switching.

PART B — (4 × 10 = 40 marks)

Answer any FOUR questions.

11. Describe the Novell Netware.
12. Explain the design issues of data link layer.
13. Write short notes on bit stuffing.
14. Explain the contents of 802.3 frames.
15. Discuss the upward and downward multiplexing.
16. Discuss in detail the repeaters.

PART C — (2 × 15 = 30 marks)

Answer any TWO questions.

17. Explain in detail the structure and functions of OSI model.
18. Differentiate MUX and DEMUX.
19. Compare and contrast virtual circuit and Datagram subnets.