

COMPUTER NETWORKS

Time : Three hours

Maximum : 100 marks

PART A — (6 × 5 = 30 marks)

Answer any SIX questions.

1. What is a WAN?
2. What is meant by network standardization?
3. What is a frame relay?
4. List the use of a MODEM.
5. Define Token bus.
6. What is meant by pulse code modulation?
7. What is bit stuffing? Give examples.
8. What are the uses of a bit map protocol?
9. What is a URL?
10. Define WWW.

Answer any FOUR questions.

11. Discuss the uses of computer networks.
12. Give a detailed note on Novell NetWare reference model.
13. Describe the structure of telephone system.
14. Explain any two guided transmission media.
15. Describe any one routing algorithm.
16. Explain the facility of e-mail in detail.

PART C — (2 × 15 = 30 marks)

Answer any TWO questions.

17. Explain in detail, the structure and functions of OSI reference model.
18. Discuss in detail, the pure ALOHA and slotted ALOHA system.
19. Explain the various security measures used to protect the networks.