

COMPUTER NETWORKS

Time : Three hours

Maximum : 100 marks

PART A — (6 × 5 = 30 marks)

Answer any SIX questions.

1. What are the four classes of service primitives in network software?
2. What is meant by Frame relay?
3. Explain the fiber cables.
4. Explain the space division switching.
5. Comparison of fiber optics and copper wire.
6. What are the functions of MODEM?
7. Explain the Traditional cryptography?
8. Explain the error control and flow control?
9. Explain the digital signature?
10. Explain the Uniform Resource Locator (URL).

PART B — (4 × 10 = 40 marks)

Answer any FOUR questions.

11. Describe the Novell Netware.
 12. Explain the B-ISDN ATM reference model.
 13. Explain the Radio Transmission.
 14. Explain the quality of service.
 15. Discuss the upward and downward multiplexing.
 16. Explain the cryptographic principles.
- PART C — (2 × 15 = 30 marks)**
Answer any TWO questions.
17. Explain in detail the structure and functions of OSI model.
 18. Explain the Time division switching.
 19. Comparison of virtual circuit and Datagram subnets.