

APRIL 2019

51316/SAE6A/  
SAZ6B/SEU6D

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Define telecommunication.
2. What is data?
3. What are Images?
4. Define modem.
5. What is transmission medium?
6. Expand UTP and STP.
7. Define multiplexing.
8. What is Ethernet?
9. Define analog network.
10. Expand ISDN.

III B.Sc (CS) - Data Communication & Networking.

11. Define Repeaters.

12. What is Bridge?

22. Explain about multiplexing applications.

23. Discuss about ISDN layers.

**SECTION B — (5 × 5 = 25 marks)**

24. Briefly explain about Routing Algorithms.

Answer any FIVE questions.

13. Write down components of data communications.

14. Explain about Network Criteria.

15. Discuss about twisted – pair cable.

16. Write down error detection.

17. Explain about types of Multiplexing.

18. Explain about ATM topology.

19. What is World Wide Web? Explain.

**SECTION C — (3 × 10 = 30 marks)**

Answer any THREE questions.

20. Briefly explain about OSI model.

21. Write down types of Errors.