

APRIL 2022

**51316/SAE6A/SAZ6B/  
SEU6D**

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. List the components of a Computer Network.
2. What is Mesh Topology?
3. What is unguided media?
4. What is virtual circuit?
5. What is Transport Layer?
6. What is IP Address?
7. Define Bridge.
8. What is Multiplexer?
9. What is Token Bus?
10. What is Firewall?
11. What is Gateway?
12. Define datagram.

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Describe the method of detecting errors.
14. Discuss briefly on : Bus and Star Topologies.
15. Define about Modem.
16. Write short notes on : EIA - 202 and X.21.
17. Describe the concept of Virtual Terminals.
18. Write about Ethernet.
19. Explain the Transmission Media characteristics of a LAN System.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Explain the seven layers of OSI model.
21. Explain Broadband ISDN.
22. Explain Ethernet and Repeaters.
23. Compare various switching Techniques.
24. Describe the TCP/IP Architecture in detail.

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In Bsc cs → Data Communication & networking

