

APRIL 2017

51316/SAE6A/  
SAZ6B/SEU6D

Time : Three hours

Maximum : 75 marks

PART A — ( $10 \times 2 = 20$  marks)

Answer any TEN questions.

1. Define: Simplex Mode.
2. What is meant by Multipoint Connection?
3. What is Mesh Topology?
4. Define: WAN.
5. Write a note on: Serial Transmission.
6. What is meant by Hamming Code?
7. What is Ethernet?
8. What is meant by Packet Switching?
9. What are ISDN Layers?
10. Define: Bridges in Computer Networks.
11. Write a note on: HTML.
12. What is meant by Nonadaptive Routing Algorithm?

III BCA Paper - XVIII Data Communication and Networking.

**PART B — (5 × 5 = 25 marks)**

**Answer any FIVE questions.**

13. Write Short Notes on: Star and Ring Network Topologies.
14. Discuss the functions of Network and Transport Layers.
15. Discuss about MODEMs.
16. Write Short Notes on: Error Correction in Computer Networks.
17. Give a Short Note on: Telephone System.
18. Discuss about ATM Protocol.
19. Write Short Notes on: TCP/IP Network.

**PART C — (3 × 10 = 30 marks)**

**Answer any THREE questions.**

20. Describe about Protocols and Standards.
21. Discuss in detail, any TWO Unguided Transmission Media used in Computer Networks.

22. Describe in detail, different types of Multiplexing.
23. Explain about Packet Layer Protocol.
24. Describe the relationship between Java and an active document.