NOVEMBER 2023 **57706/CS22B**

Time : Three hours Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer any TEN questions.

1. Define – An acknowledgement.

2. Expand: CSMA/CD.

3. What do you mean by Routing area?

4. Draw the fragmentation extension header format of IPV6.

5. Mention the six flags to relay control information between TCP peers.

6. Define – Message Transaction.

7. What are the issues in Resource allocation?

8. Compare Router-Centric versus Host—Centric design.

9. How public keys are predistributed?

10. Write any two Symmetric-key authentication protocols.

11. Define Bluetooth.

12. Expand: SMTP and IMAP.

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Discuss on Ethernet's Media Access Control.

14. Give an overview on Virtual Private Network.

15. Write a detailed note on Remote Procedure Call implementations.

16. Elaborate on TCP Congestion Control.

17. Describe on Peer-to-peer networks.

18. Write the characteristics of datagram networks.

19. Discuss the basic internetworking mechanisms.

PART C — (4 × 10 = 40 marks)

Answer any FOUR Questions.

20. Give an overview on 802.11/Wi-Fi.

21. Elaborate on Multicast Ruining Protocols.

22. Draw and explain TCP header format.

23. Discuss on Congestion Control Avoidance mechanisms.

24. Write a detailed note on

    (a) Symmetric-Key Ciphers

    (b) Public-key Ciphers.

25. Describe on Multimedia Applications.

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