

APRIL 2023

57706/CS22B

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer any TEN questions.

1. What is an Internetwork?
2. Write a note on IP Address.
3. What is Multicasting?
4. Write the advantages over PIM-SM for many-to-many multicast within a domain.
5. Give an overview on Simple Demultiplexer (UDP).
6. Write a short note SunRPC and DCE-RPC.
7. What is Congestion Control?
8. Give an overview on TCP Congestion Control.
9. Write a note on Session Control and Call Control.
10. Expand: DNS and NIC.
11. Define- Virtual Circuit Identifier (VCI).
12. What is meant by firewall?

PART B — ($5 \times 5 = 25$ marks)

Answer any FIVE questions.

13. Describe Stop-and-Wait and Sliding Window mechanisms.
14. Write a short note on Interdomain Routing (BGP).
15. Give an overview on RTP design.
16. Elaborate on Queuing disciplines.
17. Discuss on Cryptographic Authentication Protocols.
18. Explain the issues in Resource Allocation.
19. Summarize on Overlay networks.

PART C — ($4 \times 10 = 40$ marks)

Answer any FOUR questions.

20. Explain the Distance – Vector routing and Link-State routing in detail.
21. Write a detailed note on Routing among Mobile Devices.
22. Discuss on the Remote Procedure Call fundamentals.

23. Describe on Integrated services and Differentiated Services.
 24. Elaborate on Cryptographic Building Blocks.
 25. Give an overview on Equation based Congestion Control.
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