MAY 2023 **P/ID 16309/PIT3F**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. State the importance of network software.

2. Define MAN.

3. What is mean by connectionless service?

4. Define guard band.

5. Expand PSTN.

6. What is mean by point of presence?

7. What is the use of network interface card?

8. What is mean by asymmetric digital subscriber loop?

9. Define session routing.

10. What is mean by adaptive algorithm?

11. Define DISCONNECT segment.

12. Define cryptology.

PART B — (5 × 6 = 30 marks)

Answer any FIVE questions.

13. Explain about RFID.

14. Brief about maximum data rate of channel in physical layer.

15. Give brief explanation on digital subscriber lines.

16. Draw a neat sketch on timing of events in packet switching.

17. Give short notes on packet over SONET.

18. Summarize on store-and-forward packet switching.

19. Brief notes on simple transport protocol.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Elaborate about fibre optics.

21. Explain in detail about any two error correcting codes.

22. Elucidate one –bit sliding window protocol.

23. Explain in details about link state routing and multicast routing.

24. Give a detail explanation on design issues on transport layer.

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