DECEMBER 2024 **P/ID 17614/PCA4L/ PCAED/PIT3F**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Define P2P.
2. List out the two types of transmission technology.
3. What is meant by radio transmission?
4. What is meant by LEO.
5. Define session routing.
6. What is meant by random early detection?
7. Define buffer space.
8. List the use of token bucket.
9. How to handle multiprotocol router.
10. What is meant by autonomous systems?
11. Expand UDP.
12. What is meant by marshaling?

PART B — (5 × 6 = 30 marks)

Answer any FIVE questions.

13. Draw a neat sketch on OSI reference model.

14. Explain in detail about wireless LANs.

15. Elaborate LMDS systems and explain in detail.

16. Illustrate sliding window protocols and state its importance.

17. Describe about flooding in packet transmission.

18. Explain in detail about token bucket algorithm.

19. Elaborate the two – army problem.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Elaborate magnetic media and twisted pair cable in detail.

21. Illustrate wavelength division multiplexing and draw a neat sketch.

22. Explain in detail about High – level – data link control protocol and give a neat diagram.

23. Write detail notes on route discovery and explain with an example.

24. Illustrate simple transport protocol with neat diagram.

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