MAY 2024 **P/ID 16312/PITE4**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Define sensor.

2. State any one responsibility of physical layer.

3. What is meant by interference range?

4. Define multiplexing.

5. Expand ISDN.

6. What is meant by radio subsystem?

7. What is meant by the infrastructure based wire less network?

8. Define SFD.

9. Specify the purpose of CSMA/CA.

10. State the use of foreign agent.

11. Describe the use of smooth handovers.

12. What is meant by firewall?

PART B — (5 × 6 = 30 marks)

Answer any FIVE questions.

13. List out the uses and responsibilities of mobile computing.

14. Explain in detail about code division multiplexing.

15. Write short notes on TDMA.

16. Specify the importance of localization calling.

17. Explain in detail about IEEE 802.11.

18. Write short notes on snooping TCP.

19. Define and explain DHCP.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Explain in detail about spread spectrum and cellular systems.

21. Draw a neat sketch of GSM architecture and explain in detail.

22. Illustrate security and link management in detail.

23. Give a detail explanation on routing strategies with neat diagram.

24. Write a detail notes on congestion control with neat sketch.

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