DECEMBER 2023 **P/ID 16312/PITE4**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Define guard space.

2. Mention short term fading.

3. What is mean by home location register?

4. Define mobile management.

5. What is mean by dual tone multiple frequency?

6. Define roaming.

7. What is mean by contention?

8. What is yield phase?

9. Write brief note on smooth handover.

10. Define checksum.

11. State the socket pair.

12. What is mean by home network?

PART B — ($5 \times 6 = 30$ marks)

Answer any FIVE questions.

13. Write short notes on carrier sense multiple access.

14. Brief notes on multipath propagation.

15. Explain about security services in GSM.

16. Brief about types of handover.

17. Draw a neat structure of phases of the HIPERLAN 1.

18. Differentiate wired network and adhoc network.

19. Give a notes on IP packet delivery.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

20. Explain in detail about direct sequence spread spectrum.

21. Elaborate LEO and GEO in orbits.

22. Describe about power management in IEEE 802.11 ad-hoc networks.

23. Give a detail explanation on hierarchical ad-hoc routing.

24. Explain in detail about IP-in-IP encapsulation.

———————