MAY 2025 **P/ID 16312/PITE4**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Define wi-fi?

2. What are the examples of wireless communication?

3. Write a short note on GSM.

4. What is a telecommunication system?

5. Write any two advantages of WLANs.

6. What is bluetooth technology?

7. Define mobile network layer.

8. Outline the process of packet delivery.

9. Define static network.

10. Expand the term: LAN, MAN and WAN.

11. What does TCP mean?

12. What does the name mobility mean?

PART B — (5 × 6 = 30 marks)

Answer any FIVE questions.

13. Distinguish between a mobile device and a wireless device

14. Illustrate the features of UMTS in depth.

15. Describe the role of satellite in wireless communication?

16. Elucidate on hiper LAN in wireless.

17. Write about three types of mobile networks in detail?

18. What is the congestion control?

19. Write short note on implication of TCP.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Write about characteristics of spread spectrum in detail.

21. Describe sessions and protocols in telecommunication systems.

22. Discuss about characteristics and features of ad-hoc networks?

23. Explain about the function of snooping TCP.

24. Write a detailed note on features of TCP/IP.

———————