MAY 2023 **P/ID 16312/PITE4**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Expand FOMA.

2. Define multiplexing.

3. What is meant by long term fading?

4. Define gateway handover.

5. Define visitor location register.

6. List out the three entities of call management.

7. Write about mobile routing.

8. Expand AMES.

9. Define co-located CON.

10. What is mean by binding warning?

11. Define negative acknowledgement.

12. State one advantage of fast recovery.

PART B — (5 × 6 = 30 marks)

Answer any FIVE questions.

13. Give a short notes on frequency hopping spread spectrum.

14. Brief on cellular systems.

15. Give a short notes on four domains on multiplexing.

16. Explain about localization and calling.

17. Write short notes on frequency hopping spread spectrum.

18. Summarize on reverse tunnelling.

19. List the advantages of TCP over wireless networks.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Write short notes on space division multiplexing.

21. Explain in detail types of handover in GSM.

22. Elaborate on the basic structure of an IEEE 802.11 MAC data frame.

23. Draw neat architecture of cellular IP with necessary explanation.

24. Explain the importance of mobile IP.