

(FOR THE CANDIDATES ADMITTED

SUBJECT CODE **22 UCT 6E4**

DURING THE ACADEMIC YEAR 2022-23 ONLY)

REG.NO. **N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI****END-OF-SEMESTER EXAMINATIONS : MAY – 2025****B.Sc. – COMPUTER TECHNOLOGY****MAXIMUM MARKS: 50****VI SEMESTER****TIME : 3 HOURS****PART – III
MOBILE COMPUTING****SECTION – A (10 X 1 = 10 MARKS)****ANSWER THE FOLLOWING QUESTIONS. (K1)**

1. User can move from one place to another and use the same service and this is called as _____
 - a) Network Mobility
 - b) Device Mobility
 - c) User Mobility
 - d) Bearer Mobility
2. _____ technology allows users to make an adhoc wireless connection between wireless devices.
 - a) Blue Tooth
 - b) RFID
 - c) IVR
 - d) WiMAX
3. Which of the following feature makes impossible to eavesdrop on GSM radio transmission?
 - a) SIM
 - b) On the air privacy
 - c) SMS
 - d) Packet switched traffic
4. The _____ presents a consistent data format to the higher layers of the WAP protocol stack.
 - a) WAE
 - b) WDP
 - c) WTLS
 - d) WTP
5. Which of the following codes with specific characteristics can be applied to the transmission?
 - a) CDMA
 - b) GPRS
 - c) GSM
 - d) WAP

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES. (K2)

6. Define Adhoc network.
7. Expand: RFID
8. What is mobile station?
9. What is the full form of GPRS ?
10. Name the wave is used in CDMA?

SECTION – B (5 x 3 = 15 MARKS)**ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)**

11. a) Describe the role and importance of the networks.

(OR)

- b) Write short notes on Middleware and Gateways.

(CONTD 2)

12. a) What is voice XML?
(OR)
 b) Describe the IPv6.

13. a) What is SMS?
(OR)
 b) Describe the GSM frequency allocation.

14. a) What is WAP?
(OR)
 b) What are the limitations of GPRS?

15. a) Compare CDMA and GSM.
(OR)
 b) Write short notes on Mobile Adhoc network.

SECTION – C**(5 X 5 = 25 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.(K4/K5)**

16. a) Discuss the mobile computing three tier architecture in detail.
(OR)
 b) What are the mobile computing applications and services? Explain.

17. a) Explain the Blue Tooth technology in detail.
(OR)
 b) Summarize the working principle of RFID.

18. a) Explain the GSM architecture in detail.
(OR)
 b) Discuss the GSM authentication and security in detail.

19. a) Explain GPRS architecture.
(OR)
 b) Elucidate the structure of MMS architecture.

20. a) Explain IS 95 architecture in detail.
(OR)
 b) Provide an in-depth description of the IEEE 802.11 architecture.