(FOR THE CANDIDATES ADMITTED

DURING THE ACADEMIC YEAR 2019 ONLY)

19UIT6E7

REG.NO. :

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS : JULY 2022

B.Sc.IT   MAXIMUM MARKS: 75

VI SEMESTER   TIME : 3 HOURS

PART - III

MOBILE COMPUTING

SECTION - A   (10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.
MULTIPLE CHOICE QUESTIONS.   (K1)

1. _____ presents data to the user and optionally permits data manipulation and data entry, also this layer requests the data form Business layer.

    a. Physical Layer   b. Data Access Layer

    c. Application Layer   d. None of the above

2. Which frequency does the RFID Module operate in _____?

    a. 12.98 MHz   b. 14.67 MHz   c. 19.56 MHz   d. 13.56 MHz

3. Who sets the standards of GSM?

    a. ITU   b. AT & T   c. ETSI   d. USDC

4. WML stands for _____.

    a. Window Markup Language   b. Wrap Markup Language

    c. Wired Markup Language   d. Wireless Markup Language

5. IEEE 802.11 standard is for _____?

    a. Wireless LAN   b. Bluetooth   c. Wi-Fi   d. Wi-MAX

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

6. What is mobile computing?

7. Define WiMAX.

8. What is GSM?

9. What is a GPRS used for?

10. Why do we use CDMA?

SECTION – B   (5 X 5 = 25 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.
(Qn. No. 11 to 15)10 questions (a &b) – 2 questions from each unit.   (K3)

11. a) Write a short notes on Mobile Computing.

(OR)

    b) Discuss mobile computing through Internet.

12. a) Discuss mobile computing through telephone.
(OR)
b) Briefly discuss WiMAX.

13. a) Discuss the GSM Entities in mobile communications.
(OR)
b) Write short notes on **S**hort **M**essage Mobile **O**riented.

14. a) List out the network operations and explain.
(OR)
b) Briefly explain the features and usages of WML.

15. a) Write a short notes on IS 95.
(OR)
b) Differentiate WiFi with 3G.

SECTION - C (4X10= 40 MARKS)

ANSWER ANY FOUR OUT OF SIX QUESTIONS. (K4 (Or) K5) (16thQUESTION IS COMPULSORY AND ANSWER ANY THREE QUESTIONS (FROM Qn. No : 17 to 21)

16. Discuss the architecture of GPRS.

17. Describe the mobile computing architecture with neat diagram.

18. List and explain the emerging technologies in mobile computing.

19. Elaborate GSM architecture with neat diagram.

20. Explain the architecture of MMS and its transaction flow.

21. List and explain the advantages of Wireless LAN.

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