Reg. No. : [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

## Question Paper Code : 41157

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2013.

Sixth Semester

Computer Science and Engineering

080230039 — MOBILE COMPUTING

(Regulation 2008)

Time : Three hours                                   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define CDMA.

2. What is the role of modulation?

3. Write the benefits of GPRS.

4. Write the difference between FAMA and DAMA.

5. Define MAC.

6. What is the role of HIPERLAN?

7. What is meant by Dynamic Host Configuration protocol?

8. Define Least Interference Routing.

9. What is meant by Congestion Control?

10. What are the features available in 4G Mobile Networks?

PART B — (5 × 16 = 80 marks)

11. (a)    Explain the following terms:

   (i)    Space Division Multiplexing                           (4)

   (ii)   Frequency Division Multiplexing                       (4)

   (iii)  Time Division Multiplexing                            (4)

   (iv)   Spread spectrum.                                      (4)

Or

  (b)    Explain the following terms:

   (i)    Amplitude shift keying                                (4)

   (ii)   Frequency shift keying                                (4)

   (iii)  Phase shift keying                                    (4)

   (iv)   Multi carrier Modulation.                             (4)

12. (a) Explain the GSM architecture, in detail. (16)

Or

(b) Explain the following terms.

    (i) Digital Audio Broadcasting (8)

    (ii) Digital Video Broadcasting. (8)

13. (a) Explain in detail about IEEE 802.11. (16)

Or

(b) Describe in detail about Blue Tooth. (16)

14. (a) Explain the following terms.

    (i) Destination Sequence Distance Vector (8)

    (ii) Dynamic Source Routing. (8)

Or

(b) Write short notes on Mobile IP. (16)

15. (a) Discuss the features of mobile multimedia networks. (16)

Or

(b) Write short notes on Wireless Application Protocol. (16)

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