

15904 A

Name:

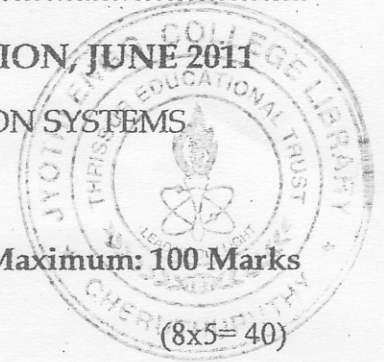
Reg.No.

EIGHTH SEMESTER B.TECH DEGREE EXAMINATION, JUNE 2011

CS 04 804 (E) / IT 04 802 - MOBILE COMMUNICATION SYSTEMS

Time: 3 Hours

Maximum: 100 Marks



Part- A

- I.
 1. Brief about the history of wireless communication
 2. Discuss the different methods of multiplexing.
 3. Illustrate with a neat diagram of the functional architecture of a GSM system.
 4. How localization is handled in GSM? Explain.
 5. Describe the protocol architecture of DECT with a neat sketch.
 6. Write a brief note on UMTS.
 7. Briefly discuss the term mobile TCP.
 8. Write a short note on WAP.

Part-B

(4x15=60)

- II.
 - a. (i) Explain the working principle of CDMA. (ii) Compare and contrast SDMA, TDMA, FDMA and CDMA.
(OR)
 - b. What are the different coding methods in CDMA? Explain any four coding methods in detail.
- III.
 - a. Explain digital audio broadcasting in detail.
(OR)
 - b. Explain about DVB in detail.
- IV.
 - a. (i) Discuss the access mechanisms of MAC layer in WLAN (ii) Explain the different phases of medium access in HIPERLAN1
(OR)
 - b. Explain the protocol used for finding a co-located care of address.
- V.
 - a. What is tunnelling? Explain the basic concept of tunnelling and encapsulation in detail.
(OR)
 - b. With neat architectural diagram, explain the components and interface of WAP.
