C 20283

Name.................................
Reg. No.................................

EIGHTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION, JUNE 2006

IT 2K 802—MOBILE COMMUNICATION SYSTEMS

Time : Three Hours   Maximum : 100 Marks

Answer all questions.

I. (a) Write brief history of wireless communication.

   (b) What is meant by frequency reuse ?

   (c) Write technical notes on DECT.

   (d) Write the concept of digital audio broadcasting.

   (e) Write the basic concept of ad hoc networks.

   (f) Write technical notes on mobile quality of service.

   (g) What is encapsulation ?

   (h) Write short notes on WML script.

                             (8 × 5 = 40 marks)

II. (a) Compare the features of FDMA, TDMA, and CDMA.

Or

   (b) Explain the principle and applications of spread spectrum systems.

III. (a) Draw GSM system Architecture and explain.

Or

   (b) Discuss the basic concepts and applications of Satellite systems.

IV. (a) Explain the features of HIPERLAN.

Or

   (b) Explain the services and functions of WATM.

V. (a) Explain the routing algorithms in Ad hoc networks.

Or

   (b) Discuss the concepts of indirect TCP and snooping TCP.

                             (4 × 15 = 60 marks)