Exam. Code : 208602
Subject Code :   8391

M.Sc. (Information Technology) Semester–II

MOBILE COMPUTING

Paper–MIT-201

Time Allowed—3 Hours]   [Maximum Marks—100

Note :— Attempt any **FIVE** questions. All questions carry
         equal marks.

1. Discuss the characteristics of Satellite Communication
    and Wireless LAN systems in detail.   20

2. (a) Discuss the 3G and 4G standards of Wireless
         Communication System.   10

    (b) How Wireless in local loop is implemented ? Explain.
                                                           10

3. Explain the following :

    (a) Frequency spectrum

    (b) Mobile Antenna.   20

4. What is the working mechanism of cellular networks ?
    How their performance can be measured ? Explain.

                                                           20

5. Describe the working of the following :

   (a) TDMA

   (b) FDMA

   (c) CDMA. 20

6. Discuss the Wireless Application Protocol Environment and Architecture in detail. 20

7. Write short notes on the following :

   (a) GSM Systems

   (b) Mobile TCP. 20

8. Describe the following :

   (a) DTE-DCE interface

   (b) IEEE 802.11 20