Code: **CSCS2T5A**

I M.Tech-II Semester - Regular Examinations - AUGUST 2016

MOBILE COMPUTING
(COMPUTER SCIENCE & ENGINEERING)

Duration: 3 hours   Max. Marks: 70
Answer any FIVE questions.   All questions carry equal marks

1.
   a) Explain Mobile computing architecture layers.   7 M

   b) Discuss various mobile devices.   3 M

   c) What are the limitations of mobile computing?   4 M

2.
   a) Write the comparison of FDMA, SDMA, TDMA and CDMA Mechanisms.   7 M

   b) Define handover. Write various handover possible scenarios in GSM.   7 M

3.
   a) Discuss the working of Mobile IP.   7 M

   b) Explain packet delivery and handover management.   7 M

4.

   a) What is Snooping TCP and write its advantages and disadvantages.   7 M

   b) What is the need for indirect TCP? Write its advantages and disadvantages.   7 M

5.

   a) Discuss caching invalidation mechanisms.   7 M

   b) Explain Data Cache & Web cache in mobile environments.   7 M

6. Explain the following   14 M
   a) push based mechanism
   b) pull based mechanism
   c) Hybrid based mechanism

7.

   a) Discuss Dynamic Source Routing protocol.   8 M

   b) What is WSN? Show a smart wireless sensor architecture.   6 M

8.

   a) Explain the architecture of Bluetooth.   7 M

   b) Write the features of android.   7 M