

Code: CSCS2T5A

PVP 12

I M.Tech - II Semester - Regular Examinations - September 2015

**MOBILE COMPUTING
(COMPUTER SCIENCE & ENGINEERING)**

Duration: 3 hours

Marks: 5x14=70

Answer any FIVE questions. All questions carry equal marks

1. Define Mobile Computing and write its novel applications as well as limitations. 14 M
2. a) Explain various services offered by GSM. 5 M
b) Draw and Explain GSM Architecture in detail. 9 M
3. What is Tunnelling and encapsulation? Discuss various types of encapsulation mechanisms in detail. 14 M
4. a) Write the main features of TCP. 5 M
b) How does M-TCP (mobile TCP) function write its advantages and disadvantages. 9 M
- 5.) Discuss client –server computing for mobile computing and adaptation in detail 14 M

- 6.) Explain the following
- a) Cyclic Repetition and Broadcasting Disk Model. 9 M
 - b) Broadcast Disk Modeling for Special Cases. 5 M
- 7.) What is MANET, Explain its properties and applications in Detail. 14 M
8. a) Explain System Architecture of IEEE 802.11 7 M
- b) Explain Protocol Architecture of IEEE 802.11 7 M