

Code :R7410506

R7

IV B.Tech I Semester(R07) Supplementary Examinations, May/June 2011

MOBILE COMPUTING

(Common to Computer Science & Engineering, Information Technology, Electronics & Computer Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions
All questions carry equal marks

1. (a) List and explain applications and issues in mobile computing?
(b) Define Handover? What are the types of handovers supported in GSM? Explain.
2. Describe and compare about SDMA, FDMA, TDMA and CDMA.
3. Explain the concepts of mobile IP with respect the following terms:
 - (a) Encapsulation.
 - (b) Tunneling.
4. (a) What are the design issues of traditional TCP that makes it unsuitable for wireless environment?
(b) How snooping maintains end-to-end connectivity of TCP?
5. (a) Explain about mobile transaction models.
(b) Write about boarding techniques in mobile environment.
6. Write about hybrid data dissemination methods for mobile hosts.
7. (a) What is a MANET? How is it different from cellular system?
(b) Describe how security is provided in MANETS.
8. Discuss any two wireless applications and its logical model.
