

Code: 06MC405B

MCA IV Semester Supplementary Examinations, July 2013

MOBILE COMPUTING

Time: 3 hours

Max Marks: 60

Answer any FIVE questions
All questions carry equal marks

- 1 (a) What is the difference in using infrared and radio for wireless transmission?
(b) How the handover takes place in GSM?
(c) What are the novel applications of mobile computing?
- 2 (a) What is the need for separate MAC layer for wireless networks?
(b) What are the advantages and disadvantages of FDMA and TDMA?
- 3 (a) How the host is dynamically configured using DHCP?
(b) What are the goals of mobile IP?
(c) What is tunneling in mobile IP? Why it is needed?
- 4 (a) What are the different quality of service issues?
(b) What is power aware computing?
- 5 (a) What are the problems of using TCP in mobile network?
(b) What are the circumstances in which selective retransmission is suitable?
How it works?
- 6 What are the different selective tuning techniques?
- 7 (a) What are the applications of MANET?
(b) Compare proactive and reactive routing.
(c) Explain any one proactive routing algorithm.
- 8 (a) What are the user scenario's of Bluetooth?
(b) Explain how WAP supports transport layer functionality.
