

Code.No: 37343

R05

SET-1

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
IV.B.TECH - I SEMESTER REGULAR EXAMINATIONS NOV/DEC, 2009**

**MOBILE COMPUTING
(Common to CSE, IT, ECC)**

Time: 3hours

Max.Marks:80

**Answer any FIVE questions
All questions carry equal marks**

1. Describe the security services that are offered by GSM?
2. Explain multiple access with collision avoidance (MACA) through state machine diagrams.
- 3.a) Explain in detail about IP packet delivery with a neat sketch.
b) List and describe the requirements of mobile IP.
- 4.a) Explain the concept of fast transmit/fast recovery in traditional TCP.
b) Describe briefly on congestion control in traditional TCP.
5. What is context aware? Explain in detail about context aware computing.
- 6.a) Explain the functions of Hybrid mechanisms with a neat sketch.
b) Explain Index-based method.
- 7.a) Differentiate between AODV and the standard distance vector algorithm.
b) Explain about Hybrid routing protocols.
8. Explain Networking, Security and link management in Bluetooth.
