JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.TECH II - SEMESTER EXAMINATIONS APRIL/MAY 2012
MOBILE COMPUTING
(INFORMATION TECHNOLOGY)

Time: 3hours   Max.Marks:60

Answer any five questions
All questions carry equal marks
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1.a)   Describe about the protocols of GSM.
  b)   Describe the message flow for MC.

2.a)   Explain about multiple access with collision avoidance.
  b)   Compare CSMA, ISMA, PRMA, and DAMA.

3.a)   Explain about minimal encapsulation.
  b)   Explain about agent advertisement with a neat sketch.

4.a)   Explain the mechanism of fast retransmit & fast recovery in TCP.
  b)   Explain about classical TCP improvement with a neat sketch.

5.a)   Describe the data recovery management with neat sketch.
  b)   Explain the issues relating to Quality of Service (QoS) in Mobile Network.

6.a)   Explain the routing complications in MANETs.
  b)   Explain the ODMR protocol in MANETs.

7.a)   Describe about the pull based mechanisms.
  b)   Explain alternative methods of selective tuning and indexing techniques.

8.   With a neat diagram explain the architecture of j2ME stack.

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