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LAB

R09

Code No: 09A70508

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year I Semester Examinations, May/June - 2013

Mobile Computing  
(Common to CSE, ECM)

Time: 3 Hours

Max. Marks: 75

Answer any Five Questions  
All Questions Carry Equal Marks

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- 1.a) Describe the TDMA frame structure used by GSM.
- b) Describe the different types of handovers that are used in GSM.
- c) What are the limitations of mobile and hand held devices. [15]
- 2.a) Explain how MACA can avoid hidden terminals and exposed terminals problem.
- b) Differentiate between time division multiplexing and frequency division multiplexing. [7+8]
- 3.a) Explain the requirements of mobile IP.
- b) Explain about the Generic routing encapsulation. [7+8]
- 4.a) Explain about the slow start of congestion control. How do fast recoveries take place in the congestion avoidance?
- b) Describe about the Indirect TCP. [7+8]
- 5.a) Explain about the transactional models.
- b) Explain about the caching invalidation mechanism. [7+8]
- 6.a) Describe about the pull-based mechanism.
- b) Describe about the selective tuning technique. [7+8]
- 7.a) What are the challenges of a MANET.
- b) Explain about the ODMRP routing protocol. [7+8]
8. Describe the protocol stack of Blue tooth with neat sketch. [15]

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