Code.No: 37343 | R05 | SET-3

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

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1. Explain in detail about system architecture of GSM with neat sketch.

2.a) Describe fixed TDM algorithm.
b) Explain classical Aloha and slotted Aloha with a neat sketch.

3. Explain briefly about IP encapsulation mechanisms.

4. Explain the concept of M-TCP and also give with its advantages and disadvantages.

5.a) Explain in detail about power-aware computing.
b) Explain different types of transaction models.

6. Describe briefly about selective tuning and indexing technique.

7.a) Explain about on-demand multicasting routing protocol.
b) Describe MANET. How does a MANET differ from a fixed infrastructure network?

8.a) What are the security features in Bluetooth enabled devices and PC.
b) What are the functions of WAP 1.1 gateway? How does it differ from those of WAP 2.0 proxy/gateway?
