Code: R7410506

R07

B.Tech IV Year I Semester (R07) Supplementary Examinations, May 2013
MOBILE COMPUTING
(Common to CSE, IT and ECC)

Time: 3 hours   Max. Marks: 80

Answer any FIVE questions
All questions carry equal marks

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1. (a) What is mobile computing and briefly explain its applications?
   (b) Explain the system architecture of GSM with a neat diagram.

2. (a) What is motivation of a specialized MAC and explain it briefly?
   (b) Write the comparison of SDMA, TDMA, FDMA and CDMA mechanisms.

3. (a) Write a short note on tunneling and encapsulation.
   (b) Briefly explain DHCP.

4.   What are the classical enhancements of TCP for mobility and explain them briefly?

5. (a) Briefly explain catch invalidation mechanisms.
   (b) What are the issues involved in quality of service and explain them?

6.   Write a short note on:
   (a) Pull-based mechanisms.
   (b) Indexing techniques.

7. (a) What is MANET and explain its properties?
   (b) How the security is provided in MANETS?

8. (a) Write a short note on J2ME.
   (b) Briefly explain WAP architecture with a neat diagram.

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