Code: 9A19701

R09

B.Tech IV Year I Semester (R09) Regular & Supplementary Examinations December 2015

MOBILE COMPUTING

(Electronics & Computer Engineering)

Time: 3 hours   Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

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1 (a) Give brief description on the various mobile applications.
   (b) Explain mobile bearer, supplementary and tele-services of GSM.

2 (a) Draw the diagram for FDMA. Explain the important components present in it.
   (b) Give brief description about the polling scheme.

3 (a) What is DHCP? Why we need it? Explain its working.
   (b) Explain the various fields present in advertisement packet of mobile IP.

4   Compare different TCP enhancement techniques.

5 (a) Explain the necessity of cache in databases.
   (b) Write and explain about the transactional model of a database.

6 (a) Distinguish between push-based and pull-based mechanism.
   (b) Write short notes on 'Selective tuning' and 'Indexing techniques' of mobile computing.

7 (a) Distinguish between proactive and reactive routing algorithms.
   (b) List and explain the advantages of MANETs.

8 (a) Write short notes on networking and security issues of Bluetooth.
   (b) Write and explain about the different classes of transaction services provided by WAP.

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