Code No: J5802/R16

M. Tech. II Semester Regular Examinations, May-2017
MOBILE COMPUTING
Computer Science & Engineering (58)

Time: 3 Hours   **Max. Marks: 60**

Answer any FIVE Questions
All Questions Carry Equal Marks

1.	a	What are the Novel applications of Mobile Computing? Explain	6
	b	Describe the three new data service approaches to enhance transmission speed.	6
2.		Illustrate GPRS System architecture and its sub systems with a neat block diagram.	12
3.	a	Explain in detail about the Hidden and Exposed terminals	6
	b	Describe the Classical Aloha and Slotted aloha.	6
4.		Draw and explain the architecture of Mobile IP. Describe how a mobile IP network employs home and foreign agents.	12
5.	a	List and explain the main features of Transport Control Protocol (TCP).	6
	b	Describe Slow Start method for Congestion Control in TCP.	6
6.		Draw and explain Application Server in Two-tier Client-Server Computing Architecture.	12
7.	a	List and explain the steps of Online Bucket Scheduling algorithm.	5
	b	Describe DSR routing algorithm in MANETs.	7
8.		Write a short note on following	
	a	Broadcast Scheduling.	6
	b	Java Card	6

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