Seat No.: _____ Enrolment

No.____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII • EXAMINATION - SUMMER • 2014

Subject Code: 170702			Date: 03-06-2014	
Subject Name: Mobile Computing				
Time: 02:30 pm - 05:00 pm Total Mar			tal Marks: 70	
Instructions:				
		Attempt all questions.		
		Make suitable assumptions wherever necessary.		
	3.	Figures to the right indicate full marks.		
Q.1	(a)	Explain architecture of Mobile Computing and also discuss secur issues in Mobile Computing	ity 07	
	(b)	Explain Wireless LAN standards and Wireless LAN architecture.	. 07	
Q.2	(a)	Explain GSM architecture and role of its components.	07	
	(b)	Compare : IP and Mobile IP.	07	
		OR		
	(b)	Explain : Blue tooth and RFID.	07	
Q.3	(a)	What is Cellular network? Explain frequency allocation in network.	GSM 07	
	(b)	Explain Mobile Computing over SMS. Also explain pull and push OR	n SMS. 07	
Q.3	(a)	Explain Call routing in GSM.	07	
	(b)	Explain: Handover, Authentication and Security in GSM	07	
Q.4	(a)	Explain Routing in Mobile Adhoc Network in detail.	07	
	(b)	Explain : Indirect TCP and Mobile TCP OR	07	
Q.4	(a)	Explain GPRS operations with its architecture.	07	
	(b)	Compare: CDMA and GSM	07	
Q.5	(a)	Discuss Billing and Charging in GPRS network.	07	
	(b)	Explain: IPv6 and 3G Wireless	07	
_		OR		
Q.5	(a)	Compare: H.232 and SIP	07	
	(b)	Explain: Spread Spectrum and WAP	07	
