Seat No.:		Enrolment No		
		GUJARAT TECHNOLOGICAL UNIVERSITY M. E SEMESTER – I • EXAMINATION – WINTER • 2014		
Subject code: 2712701 Date:			07-01-2015	
U		ie: Wireless Communication Network		
•		pm - 05:00 pm Total Marks:	70	
Instruc	tions	\$ <b>:</b>		
1. 2. 3.	Mak	empt all questions. Ke suitable assumptions wherever necessary. The right indicate full marks.		
Q.1	(a) (b)	Explain GSM Network Architecture with necessary Digram. Explain Spread spectrum technology and its different methods.	07 07	
Q.2	(a) (b)	Explain wireless technology generation from 1G to 4G. Explain CELP speech codec in details.  OR	07 07	
Q.3	(b) (a) (b)	Explain Mobile IP operation in detail. Write a Short Note On õWireless 802.11ö standard. Draw and Explain a OFDM System.  OR	07 07 07	
Q.3	(a) (b)	Explain economic benefits of Wireless Networks. What is Mobility Management? Explain With Suitable example.	07 07	
Q.4	(a)	Explain Design and planning concept of Wide Area wireless Network.	07	
	<b>(b)</b>	Differentiate Wi-Fi and 3G networks.  OR	07	
Q.4	(a) (b)	Explain security aspects in IEEE 802.11 Give advantages and disadvantages of using TCP. Explain Wireless TCP in detail.	07 07	
Q.5	(a)	Explain Wireless Application Protocol (WAP) in detail.	07	

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(b) What is Small Scale Fading? Discuss the Factors affecting small

scale fading.

Q.5 (a) Write a Short Note On õBLUETOOTHö.
(b) Explain Zigbee Technology.