Seat No.:	Enrolment No

GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. - SEMESTER – I • EXAMINATION – WINTER 2012

Subject 1 Time: 02 Instruct 1. 2.	Nan 2.30 zions Atto Mal	e: 710428N ne: Recent Topics in Modern Communication Engineering pm – 05.00 pm Total Marks: 76 s: empt all questions. ke suitable assumptions wherever necessary. ures to the right indicate full marks.	
Q.1	(a)	Explain the key features of 3G in detail.	07
	(b)	What is HSDPA? Explain in detail.	07
Q.2	(a)	What LTE? How it is superior to 3G?	07
	(b)	Write a short not LTE advance.	07
		OR	
	(b)	Write a short note on UWB.	07
Q.3	(a)	Explain Zigbee in detail.	07
	(b)	Explain various MIMO Formats	07
		OR	
Q.3	(a)	Write a short note on Wireless Metropolitan Area Networks	07
	(b)	What is the importance and need of IPV6 in 3G?	07
Q.4	(a)	Write a short note on Local Multipoint Distribution Service.	07
	(b)	Explain Spatial multiplexing and Receive Diversity in Wimax. OR	07
Q.4	(a)	What are the key parameters which decide the maximum number of users in Mobile communication?	07
Q.4	(b)	Discuss Handover Algorithm and Procedure in LTE	07
Q.5	(a)	Explain High Altitude Platform Communication for wireless.	07
	(b)	What are the security features in Wimax network. OR	07
Q.5	(a)	What are the techniques, used for coverage in small indoor space in 4G.Explain in detail.	07
	(b)	Write a short note on scheduling strategies is available in LTE.	07
