Enrolment No.
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## **GUJARAT TECHNOLOGICAL UNIVERSITY**

ME - SEMESTER-I(New course)• EXAMINATION – WINTER- 2015

Subject Code: 2712701  Subject Name: Wireless Communication Networks Time:2:30 pm to 5:00 pm Instructions:  Total Marks:				116
				70
	2.	<ul><li>Attempt all questions.</li><li>Make suitable assumptions wherever necessary.</li><li>Figures to the right indicate full marks.</li></ul>		
Q.1	(a)	Describe fixed wireless communication also list and explain pand security of WCN.	ower management	07
	<ul><li>(b) List the multiple access schemes used in wireless communication and expany two in detail.</li></ul>			
Q.2	(a)	List the types of switching system used in wireless communic comparison.	ation also gives its	07
	(b)	Write details of 1G technology. Also list different technolog explain any one of them.	gy used in 1G and	07
	(I-)	OR	i-1C 11-i-	07
	(b)	List different technology used for interaction with other system any one of them.	n in IG and explain	07
Q.3	(a)	What is 2G? Also describe with required figures the interst detail.	system handoff in	07
	(b)	List the different Data operation of 2G. And properly explain detail.	any two of them in	07
0.2	( )	OR		0.5
Q.3	(a)	What is 3G? List the requirements of 3G and explain spectr 3G in detail.	-	07
	(b)	What is 4G? Explain the OFDM technology. Also gives sign in 4G.	ificance of OFDM	07
Q.4	(a)	What is satellite communication also gives different applicommunication and explain any one in detail.	ication of satellite	07
	<b>(b)</b>	List different orbits used in satellite communication and explai	n any two in detail.	07
Q.4	(a)	Properly distinguish WLL and wired access.		07
	<b>(b)</b>	List the advantages of WLAN. Also explain any two application	ion of WLAN.	07
Q.5	(a) (b)	What is Wireless ATM? Also gives its architecture. What is PAN? List its commercial alternatives and explain any two in detail.		
Q.5	(a) (b)	OR List system used for wireless network simulation and explain Properly explain charging issues and mobility issues of wirele network.	•	07 07

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