Seat	No.:	Enrolment No	
	<b>GUJARAT TECHNOLOGICAL UNIVERSITY</b>		
	M.E.	. SEMESTER I (old course)-EXAMINATION (Remedial) - WINTER 201	15
Subject code: 710206 Date: 15			201
	·	Name: Wireless Computer Network	
		30 AM to 1:00 PM Total Marks:	70
Inst		ions:	
	1. 2.	Attempt all questions.  Make suitable assumptions wherever necessary.	
		Figures to the right indicate full marks.	
Q.1		Explain the GPRS mobile data networks architecture and applications.	<b>07</b>
	(b)	What is meant by handoff? What are the types of hand off? Explain all in detail.	07
Q.2	(a)	Explain the Mobile Originated and Mobile Terminated call with routing path.	07
	(b)	Explain Different data rate supported by 1G,2G,2.5G,3G and 4G with applications	07
	<i>a</i> >	OR	
	<b>(b)</b>	Explain the forward and reverse channel parameters in IS-95 CDMA.	07
Q.3	(a)	What are the types of small scale fading explain each fading effects in detail	07
	(b)	List the different propagation models & Explain Extended Hata model.  OR	07
Q.3	(a)	Explain various GSM channels and write in brief about its usage.	07
	<b>(b)</b>	Differentiate GSM and CDMA technology	07
Q.4	(a)	Explain the effect of path loss and Doppler on radio propagation on signals of wireless networks	07
	(b)	Explain Mobile IP operation with diagram.  OR	07
Q.4	(a)	Explain various types of wireless network topologies with advantages and disadvantages	07
	(b)	Explain radio wave propagation and describe  (i) Scattering (ii) reflection (iii) fading	07
Q.5	(a)	Explain Home agent, COA, Advertisement, Registration, Source routing.	07
	<b>(b)</b>	Compare IEEE 802.11a,802.11b, 802.11g standards  OR	07
Q.5	(a)	Explain WiMax technology.	07
	. ,	Explain different Wireless security aspects	07

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