Seat No.:	Enrolment No

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

M.C.A. – SEMESTER-V • EXAMINATION – WINTER 2015

Subject Code: 650016 Subject Name: Wireless Communication Mobile Time: 10.30 am to 01.00 pm Instructions:  1. Attempt all questions.			Date:10/12/2015 Total Marks: 70	
		0.30 am to 01.00 pm ons:  Attempt all questions.		
		Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a)	Attempt the following	07	
		(1) How many basic frequency operates in RFID	e IMEI number in  ps.  ach other is known	
	(b)	Explain three tier architecture of mobile computing.	07	
Q.2	(a) (b)	Explain application of mobile computing in detail.  Explain GSM entities in detail.	07 07	
	(b)	OR Explain Wireless Broadband in detail.	07	
Q.3	(a) (b)	Explain GSM architecture in detail. Explain WiFi V/s 3G in detail. OR	07 07	
Q.3	(a) (b)	Explain CDMA V/s GSM in detail. Explain mobile ad hoc network and sensor network in detail.	07 07	
Q.4	(a) (b)	Explain spread spectrum technology in detail. Explain GPRS network operation in detail. OR	07 07	
Q.4	(a) (b)	Explain Real Time Protocol in detail. Explain GPRS and packet data network.	07 07	
Q.5	(a) (b)	Explain IPv4 and IPv6 in detail. Explain Indirect TCP, Snooping TCP and Mobile TCP in deta OR	iil. <b>0</b> 7	
Q.5	(a) (b)	Explain data services in GPRS in detail. Short Note: SIP.	07 07	

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