Seat No.: _____   Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA - SEMESTER–V • EXAMINATION – SUMMER - 2017

Subject Code:2650016   **Date: 08-06-2017**
Subject Name: Wireless Communication Mobile (WCM)
Time: 02:30 pm to 05:00 pm   **Total Marks: 70**

Instructions:
1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	**(a)**	**Attempt in Brief**	**07**
		(1) Full name of RFID is _____.	
		(2) Full name of IMSI is _____.	
		(3) Full name of GGSN is _____.	
		(4) What is Mobile Computing?	
		(5) Full name of GPRS is _____.	
		(6) The GSM is uses the radio interface is TDMA (True or False).	
		(7) What is the use of WML in WML Script?	
	(b)	What are the different tires in three-tier architecture? Describe the functions of these tiers.	**07**
Q.2	**(a)**	**Explain the WAP Layered architecture and protocol stack.**	**07**
	(b)	What is Mobile OS? List different types of Mobile OS. Explain the Any two Mobile OS.	**07**
		OR	
	(b)	Explain Bluetooth technology in detail.	**07**
Q.3	**(a)**	Explain GSM Architecture.	**07**
	(b)	What is RFID? Explain various types of RFID tag.	**07**
		OR	
Q.3	**(a)**	Explain the architecture of GPRS. List the application of GPRS with any suitable example.	**07**
	(b)	Explain Wi-Fi V/S 3G in detail	**07**
Q.4	**(a)**	Give Six functional Differences between CDMA and GSM.	**07**
	(b)	Explain Value Added Services through SMS in Detail.	**07**
		OR	
Q.4	**(a)**	Explain Wireless LAN Advantages in Detail over the Fixed Wired LAN.	**07**
	(b)	What is Spread Spectrum Technology? List different spreading techniques. Explain the Any one spreading technique.	07
Q.5	**(a)**	Explain Mobile ad-Hoc Network and Sensor Networks in Detail.	**07**
	(b)	What is AOC and SOC? What are Differences Between AOC and SOC.	**07**
		OR	
Q.5	**(a)**	Write a Short Note on IPv6.	**07**
	(b)	What is Information Security? Component of Information Security	**07**

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