Seat No.:	Enrolment No.

Subject Code:2650016

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA - SEMESTER-V • EXAMINATION - SUMMER - 2017

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 **07** these tiers. Explain the WAP Layered architecture and protocol stack. **Q.2** 07 (b) What is Mobile OS? List different types of Mobile OS. Explain the Any two 07 Mobile OS. OR **(b)** Explain Bluetooth technology in detail. 07 Explain GSM Architecture. Q.3 (a) 07 What is RFID? Explain various types of RFID tag. 07 **Q.3** (a) Explain the architecture of GPRS. List the application of GPRS with any suitable 07 example. (b) Explain Wi-Fi V/S 3G in detail 07 0.4 (a) Give Six functional Differences between CDMA and GSM. 07 **(b)** Explain Value Added Services through SMS in Detail. 07 OR (a) Explain Wireless LAN Advantages in Detail over the Fixed Wired LAN. 07 0.4 (b) What is Spread Spectrum Technology? List different spreading techniques. 07 Explain the Any one spreading technique. (a) Explain Mobile ad-Hoc Network and Sensor Networks in Detail. 0.5 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**
