

GUJARAT TECHNOLOGICAL UNIVERSITY**MCA - SEMESTER-V • EXAMINATION – SUMMER • 2015****Subject Code: 650016****Date: 11-05-2015****Subject Name: Wireless Communication & Mobile****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) Briefly explain 3-tier architecture of mobile computing **07**
 (b) What is RFID ? Explain various types of RFID tag **07**
- Q.2** (a) Briefly explain different types of Mobile OS. **07**
 (b) Explain how WiMAX works. **07**
- OR**
- (b) Explain IEEE standard of 802.16 (WiMAX) and its types. **07**
- Q.3** (a) Briefly explain Bluetooth Protocol Stack in brief. **07**
 (b) What is Snooping TCP ? Explain briefly **07**
- OR**
- Q.3** (a) What is (Transaction oriented TCP) T-TCP ? Explain how it works. **07**
 (b) Explain IPv6 Packet. **07**
- Q.4** (a) 1. Explain applications of GPRS. **04**
 2. What is the role of GGSN in GPRS **03**
 (b) Differentiate GSM and CDMA **07**
- OR**
- Q.4** (a) What is Symmetric Key Encryption ? Explain any one from DES or AES algorithm. **07**
 (b) Briefly explain how WAP model works. **07**
- Q.5** (a) Explain various IEEE standards of 802.11 **07**
 (b) What is Spread Spectrum Technology ? Explain different spreading techniques **07**
- OR**
- Q.5** (a) What is WML and WML Script ? Explain briefly **07**
 (b) What is SIP ? Explain architecture of SIP. **07**
