

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA - SEMESTER-V • EXAMINATION – SUMMER • 2014

Subject Code: 650016

Date: 02-06-2014

Subject Name: Wireless Communication Mobile

Time: 10:30 am - 01:00 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) What is difference between SOC and AOC? **07**
(b) What are the different tiers in three-tier architecture? Describe the functions of these tiers? **07**
- Q.2** (a) What is active RFID? Explain active RFID and passive RFID Also Describe two applications of active RFID. **07**
(b) What are the different components of Information security? **07**
- OR**
- (b) Discuss the protocol Stack of Bluetooth. **07**
- Q.3** (a) Describe what you understand by Wireless PAN, Wireless LAN and Wireless MAN. **07**
(b) Write brief notes on: **07**
a. GPS
b. Mobile Computing through Internet
- OR**
- Q.3** (a) Briefly describe the following networks with example and applications: **07**
a. Wired networks
b. Wireless networks
c. Ad hoc networks
(b) Explain the architecture of SMS. **07**
- Q.4** (a) Explain wireless LAN advantages in detail. **07**
(b) Describe the contrast between 3G and Wi-Fi technologies. **07**
- OR**
- Q.4** (a) Explain application on 3G network in detail. **07**
(b) Give six functional differences between CDMA and GSM. **07**
- Q.5** (a) Explain mobile ad hoc networks and sensor networks in detail. **07**
(b) Explain authentication and security GSM in detail. **07**
- OR**
- Q.5** (a) Discuss the IEEE 802.11 family of standards. **07**
(b) Give The Full Form of the Followings: **07**
1. WAE 2.WAP 3.WSP 4. Wi-Fi
5. TDMA 6. BSC 7. ICAP
