

**GUJARAT TECHNOLOGICAL UNIVERSITY****ME – SEMESTER –I-(Old) EXAMINATION – SUMMER 2019****Subject Code: 2710209****Date: 10/05/2019****Subject Name: Wireless Communication****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.

	<b>MARKS</b>
<b>Q.1</b> (a) Discuss Multipath propagation impairment in communication.	<b>07</b>
(b) Explain DSSS and FHSS	<b>07</b>
<b>Q.2</b> (a) Briefly explain the following terms.	<b>07</b>
(i) Amplitude shift keying	
(ii) Frequency shift keying	
(iii) Phase shift keying	
(b) Compare GSM and CDMA	<b>07</b>
<b>OR</b>	
(b) Elaborate Authentication and Security in GSM.	<b>07</b>
<b>Q.3</b> (a) Briefly Discuss GPRS protocol.	<b>07</b>
(b) Elaborate the security aspect in Bluetooth.	<b>07</b>
<b>OR</b>	
<b>Q.3</b> (a) List out advantages and disadvantages of wireless LAN.	<b>07</b>
(b) What are the general problems of mobile IP regarding security and support of quality of service?	<b>07</b>
<b>Q.4</b> (a) Explain Dynamic Source Routing protocol.	<b>07</b>
(b) Compare the different types of transmission errors that can occur in wireless and wired networks. What additional role does mobility play?	<b>07</b>
<b>OR</b>	
<b>Q.4</b> (a) Elaborate wireless session protocol.	<b>07</b>
(b) Discuss 802.11 System architecture.	<b>07</b>
<b>Q.5</b> (a) Compare GPS and GPRS	<b>07</b>
(b) Explain the main components of android applications.	<b>07</b>
<b>OR</b>	
<b>Q.5</b> (a) Write brief short note on following.	<b>07</b>
(i) Snoop TCP	
(ii) Wireless Markup Language	
(c) What is Android? List out its unique features.	<b>07</b>

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