Seat No.:	Enrolment No.

## GUJARAT TECHNOLOGICAL UNIVERSITY

ME	- SE	MESTER- I (New course) • REMEDIAL EXAMINATION – SUMMI	ER 2015
		Code: 3715303 Date: 15/	
Subje	ct Na	me: Wireless Communication And Mobile Computing	
-	e: 10 ctions 1	:30 am to 1:00 pm Total Ma	rks: 70
Q.1	(a) (b)	Draw and Explain Bluetooth Architecture. Explain the MAC layer in IEEE802.11.	07 07
Q.2	(a)	Explain the operation of DFWMAC_DCF with RTS/CTS extension with a neat timing diagram	07
	(b)	Explain Cellular Architecture OR	07
	(b)	Explain GSM Architecture	07
Q.3	(a)	Explain Direct Sequence CDMA.	07
_	(b)	Explain the architecture and features of IEEE 802.11 in details.  OR	07
Q.3	(a)	Explain HIPERLAN in detail.	07
	<b>(b)</b>	Explain the service offered by IEEE802.11 standard.	07
<b>Q.4</b>	(a)	Discuss the functionalities and support provided by L2CAP	07
	(b)	Explain Multi-carrier code division multiple access OR	07
<b>Q.4</b>	(a)	What is fading? What are its classifications? Briefly describe them all.	07
	(b)	Explain Power Management in IEEE802.11 Infrastructure Network	07
Q.5	(a)	Briefly describe FHSS with neat diagrams.	07
•	(b)	Explain AODV Routing Protocol For Wireless Mesh network. OR	07
Q.5	(a)	Briefly describe DSSS with neat diagrams.	07
	(b)	Explain DSR Routing Protocol For Wireless Mesh network.	07

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