Seat No.:	Enrolment No
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GUJARAT TECHNOLOGICAL UNIVERSITY

ME - SEMESTER- II(Old course) • EXAMINATION (Remedial) - WINTER- 2015

•		Code: 1720101 Date: 09/	12/2015
_	:2:3	Name: Wireless Networking & Mobile Computing B0 pm to 5:00 pm Total Ma	ırks: 70
insti u	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	What do you mean by signals? Write a detail note on Dipole Antennas & its radiation pattern.	07
	(b)	•	07
Q.2	(a)	Draw & Discuss GSM System Architecture	07
Q.2	(b)	·	07
	(2)	1. Access Point	0,
		2. Basic Service Set	
		3. Extended Service Set	
		4. Roaming	
		OR	
	(b)	Why the Cellular Architecture has Individual cell as Hexagon? Discuss Frequency reuse in case of Cellular Architecture.	07
Q.3	(a)	Discuss 1. Impact of Distance [Between Transmitter and Receiver] on Signal Power loss.	07
		2. Multipath Propagation effect & its resolution	
	(b)	What do you understand by Handover?	07
		OR	
Q.3	(a)	-	07
	(b)	Discuss WAP 2.0 Architecture	07
0.4	()	W' 1'C DECER (1A 1')	0.7
Q.4	(a)		07 07
	(b)	List and Compare different approaches used for a Mobile TCP. OR	07
Q.4	(a)		07
P.	(a)	The .wml deck contains two cards:	07
		• <i>input</i> is a form allowing the user to input values for 'n' and launch the	
		computation to find Factorial	
		• result displays the results	
	(b)	Discuss Bluetooth technology with layered architecture.	07
o -	, ,		0=
Q.5	(a)	• • •	07
	(b)	them.	07
0.5	(~)	OR What are the types of Spread Spectrum Technique? Discuss in detail	07
Q.5	(a) (b)	** * * * * * * * * * * * * * * * * * * *	07 07
	(U)	Compare mitared and radio transmission.	U /