Exam Seat No:_____ C.U.SHAH UNIVERSITY Winter Examination-2019

Subject Name : Antennas & Wave Propagation

	Subject	Code : 4TE06AWP1	Branch: B.Tech (EC)	
	Semester	r: 6 Date: 09/09/2019	Time: 10:30 To 01:30	Marks: 70
	(2) 1 (3) 1	Use of Programmable calculator		prohibited.
Q-1		Attempt the following quest	ions:	(14)
	 a) b) c) d) e) f) g) h) i) j) k) l) m) n) 	1	rovide? colution. n? in Wireless Communication? terms of Smart Antenna? onant antennas equency (MUF)	
Atte	mpt any f	four questions from Q-2 to Q-	-8	
Q-2	(a)	Attempt all questions Describe Rectangular Horn A	ntennas.	(14) 07
Q-3	(b) (a) (b)	Explain the any one type of an Attempt all questions Explain radiation from an osci Distinguish between Hertzian	illating dipole.	07 (14) 07 07
Q-4	(a) (b)	Attempt all questions Describe Yagi-Uda Antenna. Describe Helical Antenna geo	ometry.	(14) 07 07



Q-5		Attempt all questions	(14)
	(a)	Describe Reflector lens	07
	(b)	Draw block diagram of log-periodic antenna	07
Q-6		Attempt all questions	(14)
-	(a)	Explain different feeding methods in Microstrip patch antenna	07
	(b)	Describe Rician Fading.	07
Q-7		Attempt all questions	(14)
	(a)	Describe Ground Wave Propagation	07
	(b)	Explain different layers of ionosphere.	07
Q-8		Attempt all questions	(14)
-	(a)	Derive Friis Transmission Formula	07
	(b)	Describe Rayleigh Fading	07

