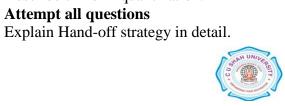
	Enrollm	ent No: _	CIICHAH					
	C.U.SHAH UNIVERSITY Summer Examination-2018							
	Subject Name : Wireless Communication							
	Subject Code: 4TE06WCM1			Branch: B. Tech (EC)				
	Semester	r: 6	Date: 02/05/2018	Time: 02:30 To 05:30 Marks: 70				
	Instruction	ons:						
				ny other electronic instrument is prohibited.				
	(2) Instructions written on main answer book are strictly to be obeyed.							
			t diagrams and figures (if no	ecessary) at right places.				
	(4) 1	Assume s	uitable data if needed.					
Q-1		Define	the following terms:		(14)			
	a)	Spread	Spectrum Multiple Access					
	<b>b</b> )	Base Sta	-					
	c)	Power S	Spectral Density Function (	PSI)				
	<b>d</b> )	Mobile	Switching Center (MSC)					
	e)	SIM						
	f)	Scatteri	_					
	g)		eless system					
	<b>h</b> )	Reflecti	on					
	i)	TDMA						
	<b>j</b> )	FDMA	-4°					
	<b>k</b> )	Quantiz Dwell ti						
	l) <b>m</b> )	GoS.	ille.					
	n)	Packet I	Radio					
Atte	,		stions from Q-2 to Q-8					
Q-2		Attemn	t all questions		(14)			
<b>~</b> -	(a)	_	nort note on evolution for 2	G cellular networks.				
	( <b>b</b> )		and explain types of Smal		5 5 4			
	(c)	•		lain cell dragging phenomenon.	4			
Q-3	<b>;</b>	_	t all questions		(14)			
	(a)	features		e response measurement system. Write its	6			
	<b>(b)</b>	bits, and	d 2 traffic bursts of 58 bits of	of 6 trailing bits, 8.25 guard bits, 26 training of data, find the frame efficiency.	6			
	(c)	Describ	e uniform quantization.		2			



Q-4

(a)

**(14)** 

	<b>(b)</b>	6	
	(c)	Discuss diffraction effect on wireless communication.	2
Q-5		Attempt all questions	(14)
	<b>(a)</b>	Write a note on 3G CDMA 2000	
	<b>(b)</b>	Explain in detail LPC vocoders with block diagram.	
Q-6		Attempt all questions	(14)
	(a)	Write a short note on GSM codec.	
	<b>(b)</b>	Explain Frequency Reuse technique for wireless systems.	
<b>Q-7</b>		Attempt all questions	(14)
	(a)	Explain in detail with diagram Cell Splitting technique.	
	<b>(b)</b>	Write a short note on Packet Radio.	
Q-8		Attempt all questions	(14)
-	<b>(a)</b>	Explain DECT Architecture	, ,
	<b>(b)</b>	Explain GSM architecture with diagram in detail.	

