Total No. of Questions: 4]		SEAT No. :
PE-249		[Total No. of Pages : 1
[65	801-610	
B.E. (Information	r\Technology)	(Insem.)
WIRELESS COMMU	INICATIONS	S (Elective-IV)
(2019 Pattern) (Sen	nester - VII)	(414445 D)

(2019 Pattern) (Semester - VII) (414445 D)			
Time : 1 l	Hour] [Max. Marks	: 30	
Instruction	ons to the candidates:		
1)	Solve questions Q.1 or Q.2, Q.3 or Q.4		
2)	Neat diagrams must be drawn wherever necessary.		
3)	Figures to the right indicate full marks.		
4)	Assume suitable data if necessary.		
<i>Q1</i>) a)	Explain any Four types of wireless communications system.	[8]	
b)	What advantages 4G as compare to 3G? Compare 3G with 4G.	[7]	
	OR O		
Q2) a)	Explain the Evolution of Wireless Communication.	[8]	
b)	Basic Elements of a Wireless Communication System.	[7]	
	6.7		
Q3) a)	What is LTE? Explain any two 4G LTE Communication Protocols:	[9]	
b)	What is need of frequency reuse? Explain concept of frequency r	euse	
	technique.	[6]	
	OR OR		
Q4) a)	Explain the concept of cell and hexagonal geometry for cell structu	re.	
		[9]	
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b)	Define Cell and Cluster. State the advantages of Cellular concept.	[6]	