## M.Tech(with Credits)-Regular-Semester 2012-Electronics & Communication Engineering Sem II Cellular & Mobile Communication

P. Pages : 1 Time : Three Hours			rs <b>* 3 6 6 1 *</b> Max. Mar	7/ <b>16/5982</b> Marks : 70	
	Note	es: 1. 2. 3. 4.	Same answer book must be used for all questions. All questions carry equal marks. Attempt <b>any five</b> question. Due credit will be given to neatness and adequate dimensions. Illustrate your answers wherever necessary with the help of neat sketches.		
1.	a)	Compare 1G, 2G,2.5G,3G & 4G technologies in a detail note.			
	b)	Explain	n and compare WLL and WLAN.	6	
2.	a)	Compa	re Bluetooth and Zigbee technologies.	6	
	b)	Discus	s IEEE 802.11 a/b/G and super G stds.	8	
3.	a)	What d	o mean by frequency reuse explain with suitable example.	7	
	b)	Discus	s channel assignment strategies and land off strategies.	7	
4.	a)	What d	o you mean by interference and also discuss near and far end interference.	7	
	b)	Write a capacit	a detail note on grade of service and explain steps for improving coverage & y.	7	
5.	a)	Discus	s free space propagation model in detail.	8	
	b)	Discus	s partition losses for same floor and between floors.	6	
6	a)		o you mean by fading. Discuss small and large scale fading and factors affecting nd large scale fading.	8	
	b)	Explain	n spread spectrum techniques.	6	
7.		i) Fl ii) C	a detail note on <b>any two.</b> DMA DMA FDMA	14	
8.	a)	Write a	a detail note on SS7 network system.	7	
	b)	i) E	note on <b>any one.</b> ΓACS SM System	7	

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