Paper / Subject Code: 42402 / Mobile Communication

		(3 Hours) [Total Marks: 60]	-
	N.B	(1) Question no 1 is compulsory (2) Solve any three from remaining five (3) Assume suitable data if required. (4) Figures to the right indicate full marks. (5) Draw neat diagrams wherever required.	•:
1	(a) (b) (c) (d)	What is timing advance in GSM? Explain Foliage loss in propagation. What is cell dragging and dwell time? How handoffs are prioritized	05 05 05
2.	. (a)		10
3	(a)	Draw and explain Signaling architecture of GSM.	10
	. (b)	What is the concept of software Defined Radio	10
4	(a)	Classify small scale fading based on Multipath Time Delay Spread and Doppler spread and explain in brief each type.	10
	(b)	Explain Block Call delayed and Block Call cleared System	
5	(a) (b)	Draw reference architecture of GPRS and explain role of SGSN and GGSN Draw and explain IMT 2000 architecture	10 10
ś.		Write short note on	
		a) MIMO technique in LTE	
•		b) Rake Receiver	
		c) Power control in CDMA 2000 and WCDMA	