Paper / Subject Code: 53003 / Elective II 2) Mobile Communication

[Time: 3Hrs]

Please check whether you have got the right question paper.

[Marks: 80]

		N.B: 1. Question number 1 is compulsory.	\$ 5 P
		2. Solve any THREE out of remaining	
		3. Assume suitable data if necessary	200
		4. Figures to the right indicate full marks	
Q. 1		Attempt any FOUR	
	a)		(05)
	-		(05)
			(05)
	d)		(05)
			(05)
Q. 2			(10)
	b)	Explain different traffic channel and control channels in GSM ((10)
Q. 3			(10)
	b)	Explain the GPRS network architecture ((10)
Q.4	a)	Explain the advantage of spreading the spectrum in CDMA. Explain direct sequence spread (spectrum with block diagram	(10)
	b)	Explain variable data transmission and power control in CDMA ((10)
Q. 5	a)	Explain4G-LTE architecture giving a neat block diagram. ((10)
	b)	Explain the ADHOC routing protocols for MANET. ((10)
Q. 6			(20)
£ (2)		Authentication and security in GSM	
		Trunking and GoS	
		Mobility and resource management in CDMA	
	.) O.V	RAKE Receiver	
S. W.	e)	WSNOWSOCKERS	
3 4 6		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	