Q.P. Code :25968

					[Time: Three Hours]		[Marks:80]
			N.B:	2.	Please check whether you have got the right question paper Question. No.1 is compulsory.  Out of the remaining questions attempt any three.  Figures in the bracket indicate maximum marks.	er.	
Q.	1	000	Answer any four of the following:				
			What is the A large cit of 1.387 k bandwidth shaped ce	ne diff y wit m each of 2 lls?	ference between the physical and logical channels of a GSI h an area of 1500 km <sup>2</sup> is covered with a 12-cell system eac ch. If the total spectrum allocated is 28.5 MHz with a full d 25 MHz. How many cell sites would be required assuming r	h cell with a radi	
	C	1)	Differentia	ate be	and GPRS technologies. etween hard hand off and soft hand off. ference between active and passive RFID tags?		(05) (05) (05)
Q. 2	2 a b	)	With the h What is fre	elp o	f a neat block diagram, explain the working of GSM system acy reuse? How does it influence the co channel interferen	architecture.	(10) (10)
Q. 3		r	channels av	vailab	O MHz is allocated to a wireless FDD cellular system which is to provide full duplex voice and control channels. Computele per cell if a system uses, a) four cell reuse, b) seven cell cells reuse.	ute the number of reuse, c) 12 cell	5000 BAN
	b	) \ r	With the he nodulation	elp of prod	a neat block diagram, explain the working of a reverse CD cess for a single user.	MA IS 95	(10)
Q. 4	a) b)	V	xplain in d Vhat is WC	etail DMA	the packet and frame formats of CDMA IS 95 system. air interface? Give important parameters of it.		(10) (10)
Q. 5	a) b)	V E	Vhat is UM xplain the	TS te	chnology? Explain with the help of a neat block diagram attion path towards LTE and give important features of LTE.		(10) (10)
Q. 6	c) d)	In W RF Sp	riportance Vireless sen FID technologic eech codir	of PN sor n logy ng in			(05) (05) (05) (05) (05)
7.7		1					