Exic -VII

MC

Q. P. Code: 25228

N.E	3.	Duration-3hrs	Marks -8
i) O ii) S	lues Solve	tion no.1 is compulsory any three from the remaining five questions	
1	Α	How does OEDAA	
	В	How does OFDM provide high data rate?	, 5
	С	Microcell zone concept helps in improving capacity of a cellular system. Justify.	5
		What is software Defined Radio?	5
	D	Differentiate between Rayleigh and Rician distribution.	5
2	Α	While designing a cellular system, how are co-channel and adjacent channel interferences kept under control? What is the role of S/I ratio and Q in this?	10
	В	Draw neatly and explain the role played by various entities in the GSM architecture.	10
3	Α	Describe the frequency and channel specifications of forward channels in CDMA1.	10
	В	Explain the Handoff and power control in 3G systems.	10
4	A	Give the main features of WCDMA and how are they different from CDMA 2000	. 10
	В	Elaborate on the contribution of MIMO techniques in LTE.	10
5	.	Disquas the frames and slots in LTE. What is a Resource Block?	10
\$ ·	B	Classify small scale fading based on Multipath Time Delay Spread and Doppler Spread.	10
6		Write notes on:[any two]	20
		a)Indoor propagation Models b)RAKE Receiver c) Trunking & GO	S
1, 2, 12,	, V	d)GSM authentication & securit	

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