Rol	I No. Total No. of Page	s: 01	
Tot	al No. of Questions: 08		
	M.Tech.(ECE) EL-II (2016 Batch) (Sem2)		
MOBILE COMMUNICATION Subject Code: MTEC-205D M.Code: 74288			
			Time: 3 Hrs. Max. Mark
INS7 1. 2.	TRUCTIONS TO CANDIDATES: Attempt any FIVE questions out of EIGHT questions. Each question carries EQUAL marks.		
1.	Explain GSM logical channels and frame structure in detail.	(20)	
2.	Write short notes on:		
	a) RF design requirements	(10)	
	b) RF planning tools	(10)	
3.	Explain:		
	a) Sub carrier symbol structure	(10)	
	b) Cyclic prefix	(10)	
4.	What are the various method for reducing bandwidth. Explain windowing vs. filt detail.	tering in (20)	
5.	a) Discuss system architecture for CDMA.	(10)	
	b) Explain network link layers of CDMA in detail.	(10)	
6.	Write short notes on:		
	a) PN Code properties	(10)	
	b) WCDMA Physical Layer	(10)	
7.	Explain 4G Mobile WiMAX in detail.	(20)	
8.	Discuss 3GPP evolution towards LTE/LTE-advanced standardization in detail.	(20)	

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

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