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Total No. of Pages : 01

Total No. of Questions : 08

M.Tech.(ECE) EL-II (2016 Batch) (Sem.-2)

MOBILE COMMUNICATION

Subject Code : MTEC-205D

M.Code : 74288

Time : 3 Hrs.

Max. Marks : 100

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT questions.
2. 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. filtering in detail. (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.

