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Total No. of Pages : 01

Total No. of Questions : 08

M.Tech.(ECE) (E-II) (Sem.-2)

MULTIMEDIA COMMUNICATION SYSTEMS

Subject Code : EC-513

M.Code : 36214

Time : 3 Hrs.

Max. Marks : 100

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT.
2. Each question carries TWENTY marks.

1. a) Define the term multimedia communication. State the basic form of representing media types. 10
b) Explain packet switching in detail. 10
2. a) Explain source encoding and channel encoding methods in detail. 10
b) What are the different protocols used in multimedia communication? 10
3. a) What are the bandwidth and compression issues in multimedia communication? 10
b) Write a protocol stack of various adjunct protocols that is used by IP. 10
4. a) Explain cell format of ATM and frame relay. 10
b) Explain classical IP over ATM (IPOA) in detail. 10
5. a) Explain lossy and lossless compression in detail. 10
b) Define three types of texts. Discuss the hyper text that enables integrated set of documents. 10
6. With the help of encoder and decoder diagram identify the main stages of operation of JPEG and explain each stage in detail. 20
7. a) Explain the various challenges for encryption and decryption of multimedia file formats. 10
b) Differentiate between BMP, PNG and TIFF multimedia file formats. 10
8. Explain in detail
a) Enterprise network 6
b) High speed modems 8
c) Video conferencing 6

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.

