Roll No. ☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 01

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M.Tech.(ECE) EL-II(2016 Batch) (Sem.–2)
MULTIMEDIA COMMUNICATION SYSTEMS
Subject Code : MTEC-205A
M.Code : 74285

Time : 3 Hrs.   Max. Marks : 100

INSTRUCTIONS TO CANDIDATES :
1. Attempt any FIVE questions out of EIGHT Questions.
2. Each question carries TWENTY marks.

1. Discuss about different standard protocols which are specially designed for Multimedia applications.

2. Compare and contrast Circuit Switched Network and Packet Switched Network.

3. What are the different types of media? How these are represented in computer memory? Also, Discuss bandwidth and compression issues related with multimedia applications. How these issues are addressed in your organization?

4. Discuss about different text compression techniques with at least one example each.

5. How different file formats : BMP, PNG, TIFF, JPEG, DFX and AVI represent multimedia information? Write their advantages as well as disadvantages.

6. a) Discuss different types of redundancy different types of media. Which variable length Coding algorithm is most commonly used to compress a signal? Also, explain how it compresses a signal by using suitable example?

   b) Explain in detail still Image Compression Standard.

7. Explain in detail the various video types and video digitization formats. How a digitized video is compressed using the MPEG-1 standard? Also, state why I-frames are inserted into the compressed output stream relatively frequently.

8. Write short notes on following :

   a) Audio streaming

   b) Video Conferencing

   c) High speed Modems

   d) Multimedia applications in medicine

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.