

Roll No.

Total No. of Pages : 01

Total No. of Questions : 08

**M.Tech.(ECE) EL-II(2016 Batch) (Sem.-2)**  
**MULTIMEDIA COMMUNICATION SYSTEMS**  
Subject Code : MTEC-205A  
Paper ID : [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.

- Q1. a. What are the requirements of communication system associated with Multimedia applications? (10)
- b. Discuss the various types of multimedia information and their representations. (10)
- Q2. a. Explain the different types of multipoint conferencing. (10)
- b. Explain in detail various layers of ATM. (10)
- Q3. a. Define the multimedia. Explain the different types of application of multimedia communication. (14)
- b. What is the origin of term VOIP? (6)
- Q4. a. What are the high speed modems? Explain its working in detail. (6)
- b. Compare the feature of BMP, PNG and AVI multimedia file formats used for multimedia communication. (14)
- Q5. a. What do you mean by data compression? Explain the various compression principles in details. (14)
- b. Explain how discrete cosine transform is used to achieve compression. (6)
- Q6. a. Explain the different types of multimedia information representation. (12)
- b. Discuss the standard related to interactive application over the internet for multimedia communication. (8)
- Q7. a. Explain the packet switched network in details. (10)
- a. Write a note on audio and video streaming. (10)
- Q8. Write the short notes on following : (20)
- a. Circuit Switched network.
- b. Video conferencing.