

Roll No.

Total No. of Pages : 01

Total No. of Questions : 08

M.Tech.(ECE) (Sem.-4)

**MULTIMEDIA COMMUNICATION SYSTEM**

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.

- Q1. a) Explain the importance of protocols and standards in multimedia communication. 10
- b) Briefly compare circuit switched and packet switched networks. 10
- Q2. List and explain various multimedia communication techniques in detail. 20
- Q3. a) Write a brief note on source encoding in digital communication. 10
- b) Explain MPEG Audio/Video standards in detail. 10
- Q4. Discuss image encoding and decoding techniques with suitable diagrams. 20
- Q5. a) Describe image compression techniques in detail. 10
- b) Write a brief note on the significance of information representation in multimedia. 10
- Q6. List and explain different types of multimedia information in detail. 20
- Q7. a) Describe TIFF and JPEG formats. Also list their applications. 10
- b) Write a brief note on following :
- i. Enterprise networks
- ii. Video conferencing 10
- Q8. a) Explain the significance of World Wide Web. Also explain internet multimedia applications in detail. 10
- b) With the help of diagram, explain broadband ATM cell formats. 10

**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.