

Roll No. 

Total No. of Pages : 01

Total No. of Questions : 08

**M.Tech.(ECE) (E-II) (Sem.-2)**  
**MULTIMEDIA COMMUNICATION SYSTEMS**  
Subject Code : EC-513  
Paper ID : [E0572]

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. Define the multimedia. Explain the different types of application of multimedia communication. (14)
- b. How is transfer of data and its rates specified in multimedia system? (6)
- Q2 a. Discuss the standard related to interactive application over the internet for multimedia communication. (10)
- b. Give the data stream characteristics for continuous media. (10)
- Q3 a. Differentiate between JPEG and MPEG formats. (12)
- b. Explain PNG and DFX standards with their frame structure. (8)
- Q4 a. How Audio/Video streaming is implemented in multimedia communications? (12)
- b. What are the high speed modems? Explain its working in detail. (8)
- Q5 a. Explain circuit switching and packet switching in detail. (8)
- b. Discuss the standard related to interactive application over the internet for multimedia communication. (12)
- Q6 a. Explain the different types of multimedia information representation. (11)
- b. Discuss the standard related to interpersonal communication in multimedia. (9)
- Q7 a. What do you mean by encryption and decryption? What are the challenges involved in encryption and decryption? (12)
- b. What are the various text and image compression techniques? Discuss each. (8)
- Q8 Write the short notes on following :
- a. Channel encoding.
- b. High speed modems. (20)