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Total No. of Pages : 01

Total No. of Questions : 08

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

**MULTIMEDIA COMMUNICATION SYSTEM**

Subject Code : EC-513

Paper ID : [E0572]

Time : 3 Hrs.

Max. Marks : 100

**INSTRUCTION TO CANDIDATES :**

1. Attempt any FIVE questions out of EIGHT questions.
  2. Each question carry TWENTY marks.
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1. (a) Explain any two image compression techniques in detail.  
(b) What is need of audio/video standards ? Explain PNG and DFX standards with their frame structure.
  2. (a) Explain in detail various layers of ATM ?  
(b) What is a multimedia authoring system? Explain.
  3. (a) Differentiate between :  
(i) JPEG and MPEG  
(ii) Animation and multimedia.  
(b) What are key issues that need to be addressed for designing web based multimedia applications?
  4. (a) List and briefly explain any five applications of multimedia in our day to day life.  
(b) Differentiate between bitmapped fonts and vector fonts.
  5. Why is data compression desirable for multimedia activities ? What is distinction b/w lossy and lossless data compression?
  6. Write note on following :  
(a) Video conferencing  
(b) Frame Relay
  7. (a) What do you mean by surfing the world wide web? What is hypertext document? Name its main elements.  
(b) How is transfer of data and its rates specified in multimedia system?
  8. Describe the various multimedia file formats with their applications in detail.