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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(IT) (2011 Onwards E-III) (Sem.-7,8)**MULTIMEDIA AND APPLICATIONS****Subject Code : BTCS-910****M.Code : 71991****Time : 3 Hrs.****Max. Marks : 60****INSTRUCTION TO CANDIDATES :**

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students has to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students has to attempt any **TWO** questions.

SECTION-A**1. Write short notes on :**

- a. What is hyper text and hyper media?
- b. List software's for Multimedia.
- c. What is SGML in multimedia?
- d. Write the use of multimedia servers.
- e. Define transform coding.
- f. Differentiate BMP and PNG.
- g. Discuss the role of H.261 standard.
- h. What are advantages of image compression?
- i. Define QOS.
- j. What is transport subsystem?

SECTION-B

2. List various multimedia software development tools with their applications.
3. How RAID is used to increase the performance of storage devices?
4. What is MIDI? Discuss the components of MIDI system hardware.
5. Discuss JPEG compression technique in multimedia.
6. Define following :
 - a. Huffman coding
 - b. Source coding techniques

SECTION-C

7. Explain the basics of Audio compression. List some basic audio compression techniques and standards.
8.
 - a. Write a short note on MPEG video Bit stream.
 - b. How intra frame coding is used in video compression?
9. Explain how distributed multimedia systems is useful in different ways of conveying information such as texts, sounds and videos.

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.