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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****Paper ID : [A3059]****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****Q1 Write short notes on :**

- a What is the need of Multimedia?
- b Write a short note on Multimedia software tools.
- c What is the use of SGMLA in multimedia?
- d Name any two types of multimedia servers.
- e Define psychoacoustics.
- f Differentiate Entropy and Run Length encoding.
- g How QOS is used in multimedia communication?
- h Define sample rate.
- i Write a short note on BMP image format.
- j What is Intra-frame coding?

### SECTION-B

Q2 What are various multimedia standards for document architecture?

Q3 Write a short note on RAID and its levels.

Q4 Discuss Huffman coding by taking suitable example.

Q5 Write a short note on source coding techniques.

Q6 Define following :

- a. Distributed Multimedia System
- b. MHEG

### SECTION-C

Q7 Explain Applications and latest trends of Multimedia.

Q8 a. Write a short note on MPEG compression.

b. Discuss the components of MIDI.

Q9 Write in detail the application of Multimedia in resource management with technical specification including hardware and software.