Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   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.