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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(IT) (2011 Batch Elective-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 have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A**1. Write briefly :**

- a) Define multimedia authoring tool. Write the name of any one multimedia authoring tool.
- b) What is the difference between Hyper text and hypermedia? Illustrate with example.
- c) Write full form of RAID. What is its objective?
- d) Write the name of any two Audio file formats.
- e) How video differs from image?
- f) Write the difference between I-frame and P-frame.
- g) How the sound is digitized?
- h) What is the full form of DVD and GIF?
- i) What is the storage size required to store a 32 shaded gray scale image of size 1024×1024 ?
- j) What are the applications of Multimedia?

SECTION-B

2. Explain the desirable features of a Multimedia system.
3. Why optical media is preferred over Magnetic media for storing multimedia titles. Discuss in detail the various DVD standards used for storing Audio data.
4. Draw the block diagram of lossy image compression model. Explain the function of its different components.
5. Write the name of different image formats. Compare any two image file formats.
6. What is MIDI? Explain briefly the different components of a MIDI system.

SECTION-C

7. Explain in detail MPEG Audio Coder.
8. Why digital video is preferred over analog video? Explain H 261 Video compression model.
9. Write the short notes on :
 - a) Quality of Service in Multimedia communication systems.
 - b) SGML.