Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 07

B.Sc.(CS) (2013 Batch)   (Sem.–6)
MULTIMEDIA
Subject Code : BCS-605
Paper ID : [72785]

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :
1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.**

SECTION-A

1.   **Answer briefly :**

a)   What are the desirable features of multimedia systems?

b)   What is Hyper-text?

c)   What is SGML?

d)   What are the different levels of RAID?

e)   Briefly discuss the Nyquist's theorem.

f)   What is MIDI?

g)   What is psychoacoustics?

h)   What is information theory?

i)   What is the difference between P-frame and B-frame?

j)   Compare .bmp and .tiff file formats.

SECTION-B

2. Explain in detail the components and applications of multimedia.

3. What are Multimedia authoring tools? Explain different functions of multimedia authoring software.

4. What is meant by digitization of sound? Explain the process of digitization of sound in detail.

5. Discuss the Huffman coding algorithm.

6. Discuss and differentiate between Component video, Composite video and S-video.

7. Explain MPEG compression in detail.