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

Total No. of Questions : 07

B.Sc.(CS) (2013 Batch)   (Sem.–6)

MULTIMEDIA

Subject Code : BCS-605
M.Code : 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) Give the names of any two different file formats used for audio and video.

b) Which is the best file format to store an image "TIFF" or "PNG"? Explain.

c) What are different TV compression Standards?

d) What are transform coding techniques?

e) What is DVI Technology?

f) What are the virtual reality operating systems?

g) What is the difference between virtual reality and augmented reality?

h) Write a note on data models for hypermedia.

i) What do you mean by multimedia authoring tools? Write the names of any two.

j) How two MIDI systems are interconnected to each other and computer?

SECTION-B

2) What are the different RAID levels? Explain each of them.

3) Discuss the different data models for multimedia and hypermedia information.

4) What is the need of distributed virtual environment system? Discuss its different features in detail.

5) Write a note on digital video compression. Also, explain MPEG motion video compression. How it is different from JPEG?

6) Write in detail the application of Multimedia in medical with technical specification including hardware and software.

7) Explain Nyquist-Shannon sampling theorem.

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.