Sl. No.

C6-R4 : MULTIMEDIA SYSTEM

Total Time : 3 Hours   **Total Marks : 100**

1.   (a)   Write the various file formats used in multimedia system and explain any two
             formats in detail.

      (b)   How Hypermedia messaging concepts are used in MMS explain in detail.

      (c)   What is multimedia and explain types of video compressions available ?

      (d)   Write down different characteristics of MMX instruction set.

      (e)   Describe any two Network and Transport protocols for multimedia data with
             their working.

      (f)   What is Descriptors in MPEG-7 ?

      (g)   Write a short note on Multimedia system used in software applications.

                                                                                   (7x4)

2.   (a)   What do you understand about synthetic data or image ?

      (b)   With the help of block diagram explain baseline JPEG compression in detail.

      (c)   Explain various multimedia elements.

                                                                                 (3+8+7)

3.   (a)   Describe about Transition Effects and Timelines. Also describe How to add SMIL
             elements.

      (b)   Write down short note on IEEE 1394 interface.

      (c)   How is operating system related to multimedia ? Describe how multimedia files
             are stored and managed by operating system ?

                                                                                 (6+5+7)

4.   (a)   What are the different MIDI file formats ? Explain in detail.

      (b)   What is quantisation and latency ?

      (c)   Describe Video-conferencing and mention its standards.

                                                                                 (7+3+8)

5. (a) Explain the various audio formats supported by internet and describe Mp3 compression scheme.

(b) Explain in detail about the structure of a VRML file.

(c) What are Tele-operation and Augmented reality systems ?

(8+3+7)

6. (a) Write a short note on Domain dependent applications.

(b) Explain Architecture of MPEG.

(c) Write a short note on stereo, head - mounted, auto - stereoscopic display.

(5+8+5)

7. (a) Write a short note on SMIL Authoring.

(b) Explain hardware aspects of MIDI.

(c) Write a short note on Virtual device.

(6+6+6)

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