CODE NO:- Z-448
FACULTY OF ENGINEERING & TECHNOLOGY
B.E (CSE)Year Examination - June– 2015
Multimedia System (EL-II)
(Old)

[Time: Three *Hours*]   [Max. Marks: 100]

"Please check whether you have got the right question paper."

N.B   i) Figures to the right indicate full marks.
          ii) Solve <u>any three</u> questions from each section.
          iii) Assume suitable data if required.

SECTION-A

Q.1	a)	What is multimedia? Highlight on emerging applications of multimedia.	08
	b)	Discuss video compression techniques.	08
Q.2	a)	Explain working principle of the following devices. 1) Scanner 2) Digital camera	08
	b)	Define 'media' and its various attributes.	08
Q.3	a)	Write brief note on speech synthesis.	08
	b)	Give the comparison between LCD display and CRT.	08
Q.4	a)	Explain in brief MIDI specification.	08
	b)	What are different uses of audio in computer applications?	08
Q.5		Writeshort notes on(<u>Any three</u>)	18

      a) Color and its models
      b) VRML
      c) Raster scanning principles
      d) Text compression
      e) Characteristics of multimedia presentation

SECTION -B

Q.6	a)	Discuss in brief how an analog signal is converted to digital form.	08
	b)	Explain lossy sequential DCT based mode in detail.	08
Q.7	a)	Give the comparison among MPEG-2, MPEG-4 and MPEG-7.	08
	b)	Explain in detail limitations of CD-ROM.	08
Q.8	a)	Explain various audio file formats.	08
	b)	Explain formatted text, unformatted text and hypertext with example.	08
Q.9	a)	What are main components of visual display system? Explain their functions.	08
	b)	Discuss major video file formats.	08
Q.10		Write short notes on (<u>Any three</u>)	18

      a) Components of Graphics system
      b) CD-DVD comparison
      c) Huffman coding
      d) 3-D Graphics
      e) Audio mixer

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