Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-VIII • EXAMINATION – SUMMER • 2015

Subject Code: 183201 Subject Name: Multimedia Computing			Date: 11/05/2015	
Tiı	me:10 tructio	0.30AM-01.00PM Total Marks: ons: Attempt all questions.	70	
	3.	<u> </u>		
Q.1	(a)	Define multimedia computing. List applications of multimedia computing. Explain image compression and reconstruction with suitable diagram	07	
	(b)	Explain loosy and lossless image compression.	07	
Q.2	(a) (b)	Draw and explain steps for Huffman coding with the help of example Describe the audio compression with proper diagrams OR	07 07	
	(b)	Describe the video compression with proper diagrams	07	
Q.3	(a)	Answer the following 1)Static Huffman code 2)Dynamic Huffman code 3)Arithmetic Huffman code	07	
(1	(b)	What is image compression? Explain JPEG compression technique in details.	07	
		OR		
Q.3	(a)	What is text compression? Explain the effect of dictionary size and size of the text file being encoded on amount of compression.	07	
	(b)	What are the measurements qualities of reconstructed image.	07	
Q.4	(a) (b)	Differentiate static and adaptive dictionary coding scheme in details. Explain the concept of sliding window scheme used in compression. OR	07 07	
Q.4	(a) (b)	What is Quantization? Why do we do quantization in JPEG compression? Explain LZW Coding.	07 07	
Q.5	(a)	Explain following terms. 1) Adaptive Predictive Coding 2) Linear Predictive Coding 3) Code Excited Coding	07	
	(b)	3) Code-Excited Coding Explain Entropy And Source Encoding for text compression. OR	07	
Q.5	(a) (b)	Explain Elements Of Multimedia Communication Systems. Give Challenges Involved With Multimedia Communication. And explain types of multimedia.	07 07	
