GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII (NEW) - EXAMINATION – SUMMER 2017			
Subject Code: 2181607 Date: 02/05/2017			
Subject Name: Mutlimedia and Animation(Departmental Elective - III) Time: 10:30 AM to 01:00 PM Total Marks: 70			
Instructions:			70
 Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 			
Q.1	(a) (b)	Explain elements of multimedia communication system. What is Redundancy? Explain types of redundancy in detail.	07 07
Q.2	(a) (b)	Briefly explain Lossy and Lossless compression techniques with example What is image compression? Explain JPEG compression technique in details.	07 07
		OR	07
	(b)	Describe the principles of TIFF and its application domains.	07
Q.3	(a) (b)	Explain Huffman coding with example. Explain Arithmetic coding with example. OR	07 07
Q.3	(a)	Explain LZW coding.	07
-	(b)	Explain Entropy And Source Encoding for text compression.	07
Q.4	(a) (b)	Briefly explain ADPCM encoder and decoder for Audio compression Briefly explain MPEG-1,MPEG-2 and MPEG-4 standard OR	07 07
Q.4	(a)	Briefly explain PCM and DPCM	07
C	(b)	Briefly explain MPEG encoder and decoder for Audio compression	07
Q.5	(a)	Explain Key Frame Animation in details.	07
	(b)	Explain different applications of multimedia networks. OR	07
Q.5		Explain Morphing in details.	07 07
	(b)	Explain Character Animation.	07
