## B.E. Information Technology Eighth Semester IT8054 - Elective-IV : Multimedia Systems and its Application

P. Pages : 1 Time : Three Hours			s * 1 5 7 5 *	GUG/W/18/2059 Max. Marks : 80	
	Note	s: 1. 2. 3. 4. 5.	Same Answer book must be used for all questions. All questions carry marks as indicated. Due credit will be given to neatness and adequate dimensions. Assume suitable data wherever necessary. Illustrate your answers wherever necessary with the help of neat sk	cetches.	
1.	a) b)		be the history of Multimedia systems. n the term "Multimedia Authoring". Explain its paradigms.	8 8	
			OR		
2.	a) b)	-	n different Multimedia software tools. Short note on RAID and its levels.	8 8	
3.	a)		s the significance of conversion of Analog to Digital Audio? Explain action" of an audio signal.	the term 8	
	b)		yquist Theorem ii) Sampling Theorem <b>OR</b>	o	
4.	a)	Discus	s MIDI in detail.	8	
	b)	Write s	short note on Audio compression.	8	
5.	a)	Differe	entiate between Run Length and variable length encoding.	8	
	b)		n Huffman coding along with its pros and cons.	8	
		-	OR		
6.	a)	Explain	n Shannon - Fano Algorithm.	8	
	b)	Explain	n LZW compression Algorithm.	8	
7.	a)	Explain	n L* a * b colour model in detail.	8	
	b)	-	n H.261 Compression.	8	
			OR		
8.	a)	Enlist a	and explain standard system Independent formats of an Image.	8	
	b)	Explain	n JPEG compression in detail.	8	
9.	a)	Explain	n OSI Network Layers in the context of multimedia networks.	8	
	b)	Write s	short note on multiplexing technologies.	8	
			OR		
10.	a)	-	n Quality of Service (QoS).	8	
	b)	Explain	n IP-Multicast.	8	

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