BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI				
(END SEMESTER EXAMINATION)				

CLASS: BRANCI		(END SEMESTER EXAMINATION)	SEMESTER : III SESSION : MO/19		
TIME:	3 HOURS	SUBJECT: CS602 DATA COMPRESSION	FULL MARKS: 50		
 INSTRUCTIONS: 1. The question paper contains 5 questions each of 10 marks and total 50 marks. 2. Attempt all questions. 3. The missing data, if any, may be assumed suitably. 4. Before attempting the question paper, be sure that you have got the correct question paper. 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall. 					
Q.1(a)	1(a) Differentiate between Static Huffman Coding and Adaptive Huffman Coding with example. Explain [5] update procedure for Adaptive Huffman Coding.				
Q.1(b)					
Q.2(a) Q.2(b)					
Q.3(a) Q.3(b)	,				
Q.4(a)	What do you mean by coc for a higher dimensional	lebook of a quantizer? What problems can be quantizer?	e there when designing a Codebook [5]		
Q.4(b) Explain Lindo Buzo Gray algorithm with its advantages. [5]					
Q.5(a)	Explain the steps involve syntax.	ed in video compression. Also explain the	different layers of MPEG-1 Video [5]		
Q.5(b)	•				

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