Paper/Subject Code: 37417/Image & Video Processing (DLOC - II) Sem VI (C Scheme F-2019) " Alt DS" May 23												23
7	F	Sem V	(0)	Schem	16	£ - 2	019)	" <i>f</i>	11 t I	20	, , , , ,	
									Marks: 80			
Ŋ.	N.B.: (1) Question No 1 is Compulsory. (2) Attempt any three questions out of the remaining five. (3) All questions carry equal marks. (4) Assume suitable data, if required and state it clearly.											
			my FOUR						,			[20]
1	Compare Lossless Compression Techniques & Lossy Compression Techniques											[5]
		b State and Explain properties of FFT.										
	c	Explain zero memory enhancement of the										
	d	retail the DCT of the above										[5]
	e	and the community of the second second										[5]
2	a	Explain split and merge segmentation Technique.										[10]
	b	What do you mean by redundancy in digital image? Explain image compression model. [
3	a	Find DFT of the given image using DIT-FFT.										[10]
		0 1	2 1									
		1 2	3 2									
		3 3	4 3									
		1 2	3 2									
	b	Equalize the given histogram										[10]
		Grey leve		. 1	2	3	4	5	6	7		
		Number Pixels	of 790	1023	850	656	329	245	122	81		
4	a	Write shor	t note on I	ast Had	lamard	Trans	form.	Ÿ -				[10]
b Explain in detail low pass (smoothing) filters.												[10]
5	a	Explain edge detection in detail.										[10]
	b	Evaluin Huffman Cadina wid										[10]
6	a	a Explain Digital video format and estimation in detail.										[10]
	b Write short note on 1) Composite and Component Video										[10]	

1) Composite and Component Video

2) BMP Image File Format