Paper / Subject Code: 55924 / Elective I : Image Processing

1T00192 - M.C.A. (Sem-II) (Choice Based) Two Year Programme / 55924 - Elective I : Image Processing QP CODE:10040290 DATE :4 JAN 2024

(3Hours) N.B.: (1) QuestionNo.1 is Compulsory. (2)Attempt any three out of remainin (3) Each Question carries 20 marks.	[Total Marks: 80] ng five questions.	AT 8 STEP
(5) Each Question curries 20 marks.		
Q1) Attempt any four questions.		[20M]
a) Explain the applications of Histogram	ns?	[5M]
b) Explain Image Restoration Model?		[5M]
c) What do you mean by redundancy in	image?	[5M]
d) Explain the properties of DFT?[5M]		
e) What are the types of Image compres		[5M]
AT AT		
Q2)		
a) Explain the Digital Watermarking in	detail?	[10M]
b) Write short note on "Morphological C	Operations on Image"	[10M]
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Q3) A A A A A A A A A A A A A A A A A A A		
a) Write short note on "Statistical Com	pression Techniques"	[10M]
b) Explain the Image restoration technic	ques?	[10M]
		7
Q4)°		
a) Write short note on "Haar Transform	"	[10M]
b) Explain the Histogram Processing T	echniques in detail?	[10M]
Q5)		
a) Explain the structure of human eye?	72, 00,	[10M]
b) Write short note on "Vector Quantiza	ation".	[10M]
Q6)Solve any two questions		F4 ON #1
a) Write short note on "Noise Model".		[10M]
b) Write short note on "KL Transform"	AC CONTRACTOR OF THE PROPERTY	[10M]
a) Fundain tres Collins 21 . 1. 1.	3 1 ₂ 2	[10] [7]
c) Explain Huffman Coding with suitable	example!	[10M]
