Tot	tal N	o. of Questions : 8]	[Total No. of Printed Po	ages : 2
			Roll No	
		MCAD	D-804 (3)	
		M.C.A. (Integra	ted), VIII Semester	
			November 2023	
		Digital Ima	ge Processing	
			tive - III)	
		Time: T	Three Hours	
			Maximum Mar	·ks : 70
No		i) Attempt any five que ii) All questions carry e		
1.	a)	Explain the different to of neat sketches and explain the different to the sketches and explain the sketches are sketches and explain the sketches are sketches and explain the sketches are sket	ypes of images in detail wi	ith help
	b)		lved in sampling and Quant	tization
		of images.		7
2.	a)	What are the elements	s of visual perception?	7
	b)	Explain image sensing		7
3.	a)	What is Inverse filteri	ng?	7
	b)		of median filtering and dis	cuss its
		properties and limitati		7
4.	a)	Explain any four basic	relationship between pixel	ls. 7
	b)		helpful to reduce the mean	
		error? Explain with su		7

Explain how the image is degraded an with help of degradation model explain the restoration process of

Why is image enhancement different from image

restoration? What is color interpolation?

image.

5. a)

b)

7

6.	a)	How the color image is formed? Describe RUB mode	l.
		What is Pseudo color image processing?	7
	b)	Write down the advantages of filters in frequency domain	1.
	í		7
7.	a)	Determine the frequency characteristics of low pass, high pass and Homomorphic filtering in frequency domain.	h
			7
	b)	Explain opening and closing operation on images by using	g
		suitable example.	7
8.	Wr	ite short notes:	4
	i)	Dilation	
	ii)	Edge detection	
	iii)	Image segmentation	
	iv)	Histogram processing	
