

<p style="text-align: center;"><b>Vivekanand Education Society's Institute of Technology, Chembur, Mumbai,</b>  <b>Department Of Artificial Intelligence and Data Science</b>  <b>Year:2022-23 (Even Sem)</b>  <b>Internal Assessment Test 1</b></p>
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<b>Class : SE</b>	<b>Division: -----</b>
<b>Semester : IV</b>	<b>Subject: Image and Video Processing</b>
<b>Date: 20/02/2023</b>	<b>Time: 1 hr</b>

<b>Course Outcome</b>	<b>CO1</b>	<b>CO2</b>
<b>Percentage %</b>	43.75	56.25

<b>Q.1)</b>		<b>(Attempt any five of the following)</b>	<b>Marks (20)</b>	<b>Course Outcomes</b>
	a)	Define neighbors of a pixel.	2M	2
	b)	Write the difference between image restoration and image enhancement.	2M	1
	c)	What is meant by histogram equalization?	2M	2
	d)	Define Digital Image.	2M	1
	e)	Define Connectivity of Pixel.	2M	1
	f)	Difference between Bitmap and Vector Image format.	2M	1
<b>Q.2)</b>	a)	Explain image smoothing using ideal low pass filters.	5M	2
		<b>OR</b>		
	b)	Draw the functional block diagram of digital image processing system and explain the purpose of each block.	5M	1
<b>Q.3)</b>	a)	Explain about image sampling and Quantization.	5M	1
		<b>OR</b>		
	b)	Explain Gray level transformation functions used for image enhancement.	5M	2

~ All the best!!! ~
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