2

O Compare smoothing and sharpening filter used in image enhancement. Explain noise models along with equations in image restoration Illustrate Image Dampling and Quantization with an example. but plane slicing with example. D. Compare smoothing and sharpening filters
used in image enhancement. D'Explain about image compression model De Auhat is linear and position invariant degradation. De Muile about linking edge points. D'Explain the concepts of image compling and Quantization in digital image. Explain the log teansformation and power-law transformation used for spatial image Desplain image processing sexplain

the application of image processing.

Desplain the rele of low-pass filters in

Imposting an image in the frequency

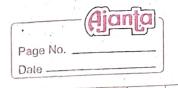
domain. How does it affect image details.

Description of image represented a Explain

the steps involved in the analog to

digital conversion (Apr.) process

Sec-B To marks Define histogram: Explain the concept of histogram processing in the gruen table. Find the transformed intensity values often equilization:	
1. An auron' (Ala	
a Refine histogramme in the quen table.	
Dennam processing of walles after	/
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(8) & with a black diagram explain the fundaments of the servicessing.	el -
Of With a war Date image drocening.	-
steps involved to agree of	-
Explain the sharpening filters in spatial domain for image enhancement.	
In In imme Conhancoment.	
aomair) you musy	
- Defferentiate between losses and vory	_
Compression and explain transform coding	_
Dystem with a peat diagram.	
Dysim will in hour contraged	



	Explain the different types of distances used in digital image processing with switchble examples. Find the following: Explain the different types of distance (D1)
	in divital image processing with suitable
	examples find the following:
	Ecodedian distance (D1)
	Colublock distance (D2)
	O(1)
	Calculate these distances for points $p = (3, 4)$ and $q = (7, 1)$ and provide the answer
	and g = (7,1) and provide the answer
	in form 101,02,03)
0	Explain the fundamental steps involved in digital image processing with the help of a block diagram.
	digital image processing with the help of
	& block diagram.
6	Juhat do you understand by image degreadation and image transformation restoration. Explain both the concepts with a puitable example.
	and image transformation Kestoration Explain
	both the concepts with a suitable example.
-	
0	Explain the different types of distances used
	in digital image processing with suitable
	example Discuss the following destances
· ·	Explain the different types of distances used in digital image processing with switable example. Discuss the following distances matrices: - Eucledian distance, City-block distance,
	Chessboard distance. Oddinonally Calculate
	these distances for the points p=(2,6). and q=(8,3) and proviole the answers
	and 9 = (8,3) and provide the answers
	from (D1, D2, D3).
*	
	Explain in busef types of smoothening fillers and sharepening fillers
	and sharepening filters

Sec-C explain the following Distance function. Éculedian distance block and Checkerboard distance. Compute the eculidean distance to 2), Citybled (D2) and chess board distance (D3) where pand q Criven the following 3x3 image matrix 100 950 11) Calculate poucer land (gamma) beamformation the results of for each leans. Explain the fundamental in digital image processing



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	a) lerform hiologram equalization to enhance.									
	the image contrast.									
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