CODE	TIME: 1HR 30MINS MAX MARKS:
Instruc	ctions:
1.	All questions are compulsory
2.	Make suitable assumptions wherever necessary and state the assumptions made.
3.	Answers to the same question must be written together.
4	Numbers to the right indicate marks
	D
5.	Draw neat labeled diagrams wherever necessary

QI.	Attempt any 2 questions		08
a.	List and explain any 2 fields that use Image Processing		04
ab.	what are the Fundamental Steps of Digital Image Processing?		04
c.	Brightness is not a simple function of intensity Explain		04
Ød.	What do you understand by the terms Adjacency and Boundaries?) 04
	(Write your answer with respect to pixels.)		04
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Q2.	Attempt any 2 questions		08
a.	What is the outcome of applying Image Negatives?		04
b.	How would you describe the process of Histogram Equalization?		04
C.	What are Order Statistic Filters?		
1_4-	Write a note on Periodic Noise		04
	White a note on 1 chodic 14015c		04
Q3.	Attampt any 2 questions		0.0
t_a.	Attempt any 2 questions Illustrate the HSI Color Model		08
borb.			04
	How is Coding redundancy related to Image compression?		04
C.	Explain any one image compression technique		04
Ld.	Write a note on Wavelet Transforms?		04
Q4.	Attempt any 2 questions		08
a.	Explain Edge based Segmentation		04
<u>√</u> 5.	How is Thinning and Thickening done using Erosion Dilation?		04
c.	Write a note on Region based segmentation		04
1 d.	What is Skeletonization?		04
<u></u>	What is okcietomzation.		01
Q5.	Attempt any 2 questions		08
, a.	List and explain any 2 applications of Watershed Algorithm		04
b.	What is Basic Global Thresholding?		04
c.	Write a note on Dam Construction for Segmentation		04
d.	Describe Otsu's Method		04
u.	F/F		(5/4)
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Person	1,7-1		