Time · 3 hours

BICS-024

Maximum Marks . 70

P.T.O.

B.Tech. COMPUTER SCIENCE AND ENGINEERING (BTCSVI)

Term-End Examination June, 2013

BICS-024: DIGITAL IMAGE PROCESSING

Note		Answer any seven questions. All questions carry en arks.	qual	
1.	(a)	Explain the components of image processing system.	5	
	(b)	What are the basic concepts in sampling and quantization?	5	
2.	Write a short notes on :			
	(a)	Spatial filtering	5	
	(b)	Sharpening spatial filters	5	
3.	Discuss the following:			
	(a)	Lowpass Filters	5	
,	(b)	Highpass Filters	5	
4.		fly explain minimum mean - square error oration.	10	

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 (b) Erosion 9. Explain plane to plane Transformation. 10. Explain: (a) Basic Global Thresholding 	5.	Explain Geometric mean filter and Order statistic filters.	10	
8. Discuss the following: (a) Dilation (b) Erosion 9. Explain plane to plane Transformation. 10. Explain: (a) Basic Global Thresholding	6.	explain different color models ?		
 (a) Dilation (b) Erosion 9. Explain plane to plane Transformation. 10. Explain: (a) Basic Global Thresholding 	7.	Explain smoothing and sharpening.		
10. Explain :(a) Basic Global Thresholding	8.	(a) Dilation	5 5	
(a) Basic Global Thresholding	9.	Explain plane to plane Transformation.	10	
	10.	(a) Basic Global Thresholding	5 5	