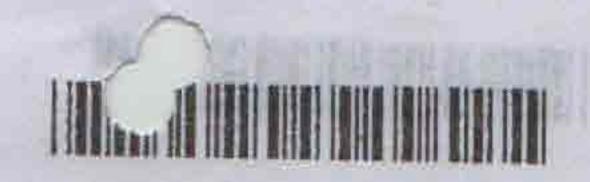
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VIII Semester B.Tech. Degree (Supplementary – Including Part Time) Examination, October 2014 (2007 Admn. onwards)

PT 2K6/2K6 EC 805(B) : DIGITAL IMAGE PROCESSING

Time: 3 Hours

Max. Marks: 100

Instructions: Answer all questions in Part A.

Answer one question from each module in Part B.

PART-A

1. 8	a)	Draw the block diagram of an image processing and analysis scheme.	5
1	b)	Define perspective projection.	5
(C)	Differentiate between intensity and brightness.	5
(d)	What are the different image enhancement techniques?	5
(e)	Explain mathematical model of a degraded image.	5
	f)	Define image segmentation.	5
(g)	Explain image compression.	5
ł	1)	Describe Huffman coding.	5
			(5×8=40)
		PART-B	
11. a	a)	Describe image digitization.	15
		OR	
t)	Describe the transformation of energy during image formation process.	15
			P.T.O.



III. a)) Explain histogram stretching.	15
	OR	
b) Describe minimum – mean square error restoration for designing filter.	15
IV. a	Derive the expression for optimum threshold for gray level thresholding.	15
	OR	
k	o) Describe Region Growing Algorithm.	15
V. a	a) Describe transform domain compression.	15
	OR	
	b) Describe JPEG Encoding scheme.	15
	(15×4=	60)

1. a) Draw the block diagram of an image or occassing and analysis scheme.

b). Describe the transformation of energy during image formation process.

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in Doscribe Huffman coding.

c) Differentiate between intensity and brighmess.

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