10 marks and may have a, b, c as sub questions. PART-A 1.a) Define Weber Ratio b) What is city block distance c) What is mean by Image Subtraction? d) What are Piecewise-Linear Transformations e) What is Gray-level interpolation? g) What are the logic operations involving binary images h) What is convex hull? i) Define Compression Ratio j) What is Arithmetic Coding? 2.a) Discuss the role of sampling and quantization with an example b) With a neat block diagram, explain the fundamental steps in door.	AG	[2] [3] [2] [3] [2] [3] [2] [3] [2] [3]	
1.a) Define Weber Ratio b) What is city block distance c) What is mean by Image Subtraction? d) What are Piecewise-Linear Transformations e) What is degradation function? f) What is Gray-level interpolation? g) What are the logic operations involving binary images h) What is convex hull? i) Define Compression Ratio j) What is Arithmetic Coding? 2.a) Discuss the role of sampling and quantization with an example b) With a neat block diagram, explain the fundamental steps in decrease.	AC	[2] [3] [2] [3] [2] [3] [2] [3]	A
b) What is city block distance c) What is mean by Image Subtraction? d) What are Piecewise-Linear Transformations e) What is degradation function? f) What is Gray-level interpolation? g) What are the logic operations involving binary images h) What is convex hull? i) Define Compression Ratio j) What is Arithmetic Coding? PART B 2.a) Discuss the role of sampling and quantization with an example b) With a neat block diagram, explain the fundamental steps in decrease.		[2] [3] [2] [3] [2] [3] [2] [3]	
c) What is mean by Image Subtraction? d) What are Piecewise-Linear Transformations e) What is degradation function? f) What is Gray-level interpolation? g) What are the logic operations involving binary images h) What is convex hull? i) Define Compression Ratio j) What is Arithmetic Coding? 2.a) Discuss the role of sampling and quantization with an example b) With a neat block diagram, explain the fundamental steps in degradation.	HG.	[2] [3] [2] [3] [2] [3]	i i
what are Piecewise-Linear Transformations e) What is degradation function? f) What is Gray-level interpolation? g) What are the logic operations involving binary images h) What is convex hull? i) Define Compression Ratio j) What is Arithmetic Coding? PART B 2.a) Discuss the role of sampling and quantization with an example b) With a neat block diagram, explain the fundamental steps in december 1.	PC.	[3] [2] [3] [2] [3]	
what is Gray-level interpolation? What are the logic operations involving binary images h) What is convex hull? i) Define Compression Ratio j) What is Arithmetic Coding? PART B 2.a) Discuss the role of sampling and quantization with an example With a neat block diagram, explain the fundamental steps in decrease.		[2] [2] [3]	
what are the logic operations involving binary images h) What is convex hull? i) Define Compression Ratio j) What is Arithmetic Coding? PART B 2.a) Discuss the role of sampling and quantization with an example With a neat block diagram, explain the fundamental steps in decrease.		[2] [3]	
i) Define Compression Ratio j) What is Arithmetic Coding? PART B 2.a) Discuss the role of sampling and quantization with an example With a neat block diagram, explain the fundamental steps in decomposition.		[3]	* • •
j) What is Arithmetic Coding? PART B 2.a) Discuss the role of sampling and quantization with an example With a neat block diagram, explain the fundamental steps in decomposition.			
2.a) Discuss the role of sampling and quantization with an example b) With a neat block diagram, explain the fundamental steps in d			
2.a) Discuss the role of sampling and quantization with an exampl b) With a neat block diagram, explain the fundamental steps in d		[2] [3]	
2.a) Discuss the role of sampling and quantization with an exampl b) With a neat block diagram, explain the fundamental steps in d	:*************************************	-'	444 04
b) With a neat block diagram, explain the fundamental steps in d	**************************************		
on a near block diagram, explain the fundamental steps in d	_	(50 Marks)	
OR	e. ligital imaga pro		
1 9Tr . "A hoomed the up at at a second	agitai illiage pit	ocessing.[5+5]	
3.a) Discuss the Relationship between Pixels in detail: b) Discuss optical illusions with examples.	***		z***; •***
indistroits with examples.	X	[5+5]	
4.a) State different types of processing used for image enhancement	. 4		
b) Explain in detail smoothing frequency-domain filters related to	II. Limages	(# . #3	
OR	mages,	[5+5]	
5.a) Explain any two methods used for digital image zooming and s b) Discuss two dimensional orthogonal prices.	hrinking.	***	
b) Discuss two dimensional orthogonal unitary transforms.	; ····· ;	[5+5]	*****
6.a) Discuss the minimum mean square error filtering.			
b) Explain the model of image degradation process.		6.m., ma	
. A wa		[5+5]	
7.a) Discuss in detail, the Inverse Filtering. b) Write about Constrained Least Square P.		**	
b) Write about Constrained Least Squares Restoration in detail.	:	[5+5]	4.11
(s.a) Write Edge Linking And Boundary Detection			
b) Write about detection of discontinuities.		[5,5]	
OR OR		[5+5]	
AG AG OR	, ,		



www.FirstRanker.com www.FirstRanker.com

		en e					
	 9.a): Discuss the Region Oriented Segmentation. b) Explain about Hit or Miss Transformation. 10.a) Explain about Lossy and Lossless Predictive Coding b) Explain about the methods of removal of redundancy. OR 11.a) Discuss the Transform Based Compression. b) Write a short note on JPEG 2000 Standards. 				HÜ	[5+5]	420 PMR -
						[5+5]	
						[5+5]	
•			,	00000			j.
	HE	AG	AG	AG	AG	AG	
	MG	AG	AC	MÜ		AG	FC
			e e Ceaper	szakabi	ME	AC	PC
		PC	PC				AG
	AC	ME	AG	AG			FE
	FC	PC	AG			PG	HÜ
	AC	PC	AC	ÄĞ	FIG	AC	