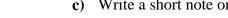
Enro	Enrollment No:			Exam Seat No:		
				UNIVERSITY		
		Sui	nmer Exa	mination-2016		
Subje	ect Name :	Digital Imag	ge Processing &	Multimedia		
Subje	Subject Code: 4CS04IIM1			Branch: B.Sc.IT		
Seme	ester : 4	Date:	07/05/2016	Time: 02:30 To 05:30	Marks: 70	
(1 (2 (3	2) Instruction (B) Draw new 1	ons written o	n main answer bo and figures (if neo	y other electronic instrument is pook are strictly to be obeyed. cessary) at right places.	orohibited.	
(4	i) Assume	suitable data	ii needed.			
Q-1 Att	empt follow	ing.			(	
	a) What is	digital imag	e processing?			
	*	image transf	form?			
	c) What is					
		inverse filter				
	,	Thresholdin	compression?			
	g) Define		g:			
		lmage enhan	cement.			
		any four trai				
		sampling rat				
	•	image analy				
	l) Define	Image recor	nstruction.			
	,	wiener filter				
	<b>n</b> ) What is	KL transform	m?			
Attempt a	ny FOUR q	uestions fro	m following.			
Q-2	_	t following.				
			f 2D-fourier Tran	sform.		
		Slant Transf				
	c) Write a	short note or	n KL Transform.			



Attempt following.
a) Explain Haar Transform.
b) Explain Histogram processing/modeling.
c) Write a short note on color image processing. Q-3 14 5 5 4



Q-4		Attempt following.	14
	a)	Describe Lossy compression.	5
	<b>b</b> )	Write a note on: Image compression standards	5
	c)	Explain error free compression.	4
Q-5		Attempt following.	14
	<b>a</b> )	Describe various scheme for image representation	5
	<b>b</b> )	Explain boundary descriptors for image segmentation.	5
	c)	Write a short note on auditory I/O standards and techniques.	4
Q-6		Attempt following.	14
	a)	Explain Least square filters.	7
	<b>b</b> )	Describe image filtering and image restoration	7
Q-7		Attempt following.	14
	a)	Explain inverse and wiener filtering process.	7
	<b>b</b> )	Write a note on: Authoring tools for multimedia system.	7
Q-8		Attempt following.	14
-	a)	Explain spatial filtering.	7
	<b>b</b> )	Describe region oriented segmentation.	7

