

	b.	Assuming continuous intensity values, an image has the intensity pdf, $P_r(r) = \begin{cases} \frac{2r}{(L-1)^2}, & 0 \leq r \leq L-1 \\ 0 & \text{else where} \end{cases}$ Find the transformation function that would produce an image whose intensity pdf is, $P_z(z) = \begin{cases} \frac{3z^2}{(L-1)^3}, & 0 \leq z \leq L-1 \\ 0 & \text{else where} \end{cases}$	10	L3	CO3
OR					
Q.6	a.	Explain piecewise – linear transformation functions used in image enhancement.	10	L2	CO3
	b.	Find histogram linearization of the following image segment. $\begin{bmatrix} 4 & 4 & 4 & 4 & 4 \\ 3 & 4 & 5 & 4 & 3 \\ 3 & 5 & 5 & 5 & 3 \\ 3 & 4 & 5 & 4 & 3 \\ 4 & 4 & 4 & 4 & 4 \end{bmatrix}$	10	L3	CO3
Module – 4					
Q.7	a.	Describe image smoothing filters in frequency – domain.	10	L1	CO4
	b.	Explain pseudo colour Image Processing.	10	L2	CO4
OR					
Q.8	a.	Explain Image sharpening filters in frequency – domain.	10	L2	CO4
	b.	Describe homomorphic filtering in detail.	10	L1	CO4
Module – 5					
Q.9	a.	Describe a model for image degradation /restoration process.	10	L1	CO5
	b.	Explain some important noise pdfs.	10	L2	CO5
OR					
Q.10	a.	Explain 4 order – statistics filters used in image restoration.	10	L2	CO5
	b.	Describe 4 mean filters used in image restoration.	10	L1	CO5
