(c) Explain image deradation model in detail.

Q.3 (a) Write short no on: Wiener Filter

3 4

3 2 2 (c) Given set of points use Hough transform to join these points (1,4), B(2,3), C(3,1), D(4,1), E(5,0) [06]

[TURN OVER]

Q.4 (a) Consider the following image	[10]
(i)Perform Low Pass Filtering (ii) Perform Median Filtering (iii) Find High pass fitered output. (iv) compare result in(i) and (ii).	
(b) What are the different motion estimation criteria for video signal. Explain Phase correlation method for motion estimation.	[10]
O. 5(a) Explain image enhancement in frequency domain in detail	[08]
(b) The input image and structuring element is as shown in the figure. Perform region filling Operation Input Image Stucturing element	
(c) Define edge in an image. Give different edge detection mask.	[04]
Q.6 (a) Using Graph Theoretical approach, find the edge corresponding to the minimum cost pat	h [06]
1 2 0 1 2 6 4 2 6 4 4 3 3	
(b) Segment the following image using region split and merge technique. Draw quad tree representation for the corresponding segmentation.	[06]
Brein Breining Breini	
(c) What is unitary transform.	[04]
(d) Explain in brief Hit or Miss Transform	[04]
(c) What is unitary transform. (d) Explain in brief Hit or Miss Transform	