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2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice. Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.



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(06 Marks)

- 6 a. Describe the Laplacian filter to sharpen the images.
 - b. Discuss in detail the basic steps for enhancing images in frequency domain, with block diagram. (06 Marks)
 - c. Explain different types of Low pass filter in frequency domain.
- 7 a. Describe the model of image degradation process. (04 Marks)
 - b. With probability density function, explain any three noises.

(04 Marks) (06 Marks)

(08 Marks)

- c. What is the importance of adaptive filters in image restoration? Explain the adaptive median filter with example. (10 Marks)
- 8 a. Explain the intensity slicing and gray level colour transformation as applied to pseudo colour image processing. (10 Marks)
 - b. Describe the conversion of RGB colour model into HIS colour model and HIS to RGB.

(10 Marks)