



www.nagpurstudents.org



Max. Marks : 80

6. a) Explain homomorphic filtering in frequency domain. 7
b) Explain term image transformation. 6
7. a) What do you mean by degradation? Give degradation process model for a continuous function giving relevant mathematical support. 7
b) Write short note on Image Restoration and Image Reconstruction. 7

OR

8. a) Write short note on constrained least square filtering. 7
b) Explain periodic Noise reduction technique by frequency domain filtering. 7
9. a) Explain briefly about how different transforms are selected in image compression. Explain with example. 8
b) Explain Digital Image watermarking. 5

OR

10. a) What do you mean by Huffman coding. How average length will be calculated for the following string. "Clean Nagpur Green Nagpur". 7
b) Explain LZW coding with example. 6
11. a) Explain region growing, splitting? Merging. 7
b) Explain chain codes with suitable example. 6

OR

12. a) Explain skeleton & shape numbers in detail. 7
b) Explain carry Edge detector. 6



www.nagpurstudents.org

The secret of getting ahead is getting started.

~ Mark Twain

