1) Explain Ideal low pass filter and effect of different cutoff frequencies. CO3 L2 6M

(Or)

2) Explain Image sharpening filtering CO3 L2 6M

3) Explain homomorphic filters in frequency domain. CO4 L2 12M

(Or)

4) Explain sharpening frequency domain filters CO4 L2 12M

5) a) Explain how a point can be detected in an image CO5 L2 4M

b) Define image gradient and explain how it is useful for edge detection. CO5 L2 6M

(Or)

6) a) What is the purpose of color model? Explain CO5 L2 4M

b) What is color image smoothing? Explain how smoothing will done by neighborhood averaging CO5 L2 8M

1) Explain mean, median and mode smoothing filters CO3 L2 6M

(Or)

2) What is meant by image enhancement? Why it is needed? CO3 L2 6M

3) a) Explain image edge enhancement in frequency domain. CO4 L2 6M

b) Explain smoothing filters in frequency domain. CO4 L2 6M

(Or)

4) Explain Butter worth filter and Gausian filter in frequency domain. CO4 L2 12M

5) a) What is the role of noise in image thresholding? CO5 L2 4M

b) Write the applications of segmentation and explain threshold-based segmentation

CO5 L2 8M

(Or)

6) a) Write the applications of RGB color model CO5 L1 4M

b) Discuss about histogram processing of color images CO5 L2 8M