

Course: Digital Image Processing and Patter Recognition

Class Test: 1

Total marks: 20

- 1) What is digital image? How do you represent digital image? 4
- 2) Write down the difference between spatial and frequency domain filtering. Which is better-Justify your answer. 4
- 3) Define the following terms: 3x2=6
 - a) Sampling
 - b) Quantization
 - c) Spatial Resolution
- 4) Explain the procedure to zoom a digital image using *nearest neighbor interpolation method*. 6