1. How would you convert from HSI to CMY color model? [6]
2. Assuming a color image having three channels; red, green and blue. Give two techniques for detecting edges in this image? Compare both. [4]
3. Write pseudo code for implementing dilation on binary images using a 3 by 3 structuring element of all one's. [4]
4. Compare the hit or miss transform with ANDing an image to a structuring elements for locating objects. Which technique is better? [6]
5. What is the effect of noise on first and second derivative edge detectors? How can we eliminate this effect? [4]
6. How can we detect lines 2 pixels thick oriented at 45 degrees with the x-axis? [6]