



- (b) (i) Explain in detail about image enhancement in the frequency domain. (8)
- (ii) Describe the design of 2-D FIR filters using McClellan's transformation. (8)

14) (a) write a short note on following topics.

- (i) Geometric transformation (4)
- (ii) Spatial transformation (4)
- (iii) Gray level interpolation (4)
- (iv) Edge detection (4)

(or)

- (b) Explain in detail about the neural network's back-propagation network and its training system. (16)

15) (a) Describe in detail about the Huffman, Run length and arithmetic coding techniques. (16)

(or)

- (b) Explain the schematics of image compression standard using JPEG and MPEG. (16)