





14. a) Explain PSO algorithm in detail. 13,K2,CO4

**OR**

b) Discuss in detail about Ant Colony Optimization towards feature selection. 13,K2,CO4

15. a) Outline the various Bio-inspired computation and its applications in image processing. 13,K2,CO5

**OR**

b) Explain the architecture of Probabilistic Neural Network. 13,K2,CO5

**PART - C (1 × 15 = 15 Marks)**

16. a) Choose an appropriate algorithm and discuss the algorithm for Image Contrast Enhancement. 15,K6,CO6

**OR**

b) Discuss Ground Glass Opacity Nodules Detection and Segmentation using Snake Model. 15,K6,CO6