

## **Pattern Recognition Final Question : Suggestion And Structure**

### **Structure:**

4 Questions (10 Marks Each)

**Time:** 1 hour 30 mins, 15 min for photo taking

### **Questions:**

**Question 1:** Explain the steps of AdaBoost Algorithm, Bagging.

**Sub Question 1.2:** Compare between Bagging with Random Forest. Compare between Bagging with Boosting.

**Question 2:** Explain KMeans Algorithm. Compare between KMean And KNN.

Shape of clustering algos? Why Kmeans cannot reach to global optimum?

**Question 3:** Logistic Regression Vs Linear Regression comparison.

Explain how they work.

**Question 4:** Exponential Smoothing, Moving Average, Gradient Boosting and SVM. (options will be given here to choose from.)

**END**