SCHOOL OF DATA SCIENCE AND FORECASTING

Semester III(M.Sc.)   **Max Marks:20**

DS5B-623: Text and Image Analytics

UT-III

Instructions
Every question having 2 marks.
No Extra copy will be provided.
Attempt all questions

1. Explain the 2 categories of image enhancement?
2. What is meant by Image Restoration?
3. Define different image Edge Extraction methods?
4. Explain any two Unsupervised Machine Learning algorithm for Grouping Similar items.
5. Explain the clustering algorithms which suffered from the problem of convergence at local optima?
6. What could be the possible reason(s) for producing two different dendrograms using an agglomerative clustering algorithm for the same dataset.
7. In which of the cases K-Means clustering fail to give good results?
8. What are some common applications of K-Means Clustering?
9. What do you understand about dimensionality reduction?
10. Why overfitting occurs?