Question Bank for END Sem Exam

Unit 3:

1. Differentiate classification model and regression model of machine learning with suitable examples
2. Write Python Code to implement KMeans Clustering
3. Explain Kmeans algorithm in detail. And compare it with DBSCAN
4. Explain following: A. Apriori algorithm B. Naïve Bayes classifier
5. Explain the simple linear regression model in detail
6. Expalin Multiple linear Regression in details
7. Compare classification and regression
8. What is clustering. Compare Clustering and Regression in details

Unit 4

9. What is decision Tree. Explain how to construct Decision Tree with suitable data.
10. Explain following:
    A. Perceptron B. Feed-Forward Neural Networks C. Back propagation
11. Explain following : A) Gini Index B) Entropy.
12. What Is CAPTCHA Defeat. How to Prevent Automated CAPTCHA Defeat
13. What is the MAP Reduce. Explain with suitable example(word count or matrix multiplication)
14. What is CAPTCHA . Explain CAPTCHA Defeat and techniques to Prevent Automated CAPTCHA Defeat

Unit 5:

15. What is Dashboard and its types . Explain the principles of dashboards design and display media used for it
16. Construct box plot for following data: 10,11,12,22,25,27,31,33,34,34,35,36,43,50,59
17. Explain following plots: A. Histogram B. Box Plot c)Scatter Plot
18. Explain different library used for plotting GRAPH and Compare matplotlib and seaborn library
19. What is Heatmap. Explain its uses and compare it with correlation and covariance
20. Explain box plot in details and how it is used to outlier detection and removal in details

Unit 6

21. 19 Explain Principle component analysis in detail
22. Explain various multidimensional data visualization techniques. And data modelling process
23. Explain Sammon's mapping and compare it with PCA
24. Explain following techniques of multivariate data visualization: Scatter Plot Matrix B. Parallel Coordinates
25. Explain Clustering High dimension data and its various types.
26. Write a short note on: multiple line , graph,tree map, permutation matrix, scatter plot matrix