

## **Subject Name: DATA ANALYTICS**

### **Minor-2 Question Bank**

#### **Unit-III**

1)	Identify and explain the different approaches to hypothesis testing.	5 M
2)	How would you use hypothesis testing to determine if a new drug is more effective than an existing one?	5 M

#### **Unit-IV**

3)	What is one-way ANOVA? How is one-way ANOVA used? And what are some limitations to consider?	5 M
4)	What is Two-Way ANOVA? And How Two-Way ANOVA Works?	5 M
5)	Explain Simple Linear Regression with suitable example.	5 M
6)	Explain Multiple Linear Regression with suitable example.	5 M
7)	Explain Post Hoc Test ANOVA and Provide Application of Post Hoc Tests in ANOVA	5 M

#### **Unit-V**

8)	What are the performance of diagnostic tests in ROC	5 M
9)	Explain AUC-ROC Curve in Machine Learning	5 M
10)	Explain Types of Clustering Methods	5 M
11)	Explain CART algorithm	5 M
12)	Explain different machine learning algorithms with applications.	5 M