FACULTY OF COMMERCE & BUSINESS MANAGEMENT
B.Com. (Business Analytics) **CBCS** II-Year (IV-Semester) Regular & Backlog Examinations, June/July-23
Forecasting & Predictive Analytics

Time: 3 Hours   Max. Marks: 50

SECTION-A   (5x3=15 Marks)
Answer any Five questions from the following

1.   What is goodness of fit?

2.   Cosine distance.

3.   What is Gini Index?

4.   Bayes theorem rule.

5.   Centroid point in K-Mean.

6.   Euclidean distance of K-Mean.

7.   What is linear programing simplex method?

8.   Application of simulation.

SECTION-B   (5x7=35 Marks)
Answer all the following questions

9.   (a) What are the different types of Distance Measures.
                            (OR)
        (b) Explain bivariate linear regression with example.

10.   (a) Discuss the process of developing a decision tree with suitable illustration.
                            (OR)
        (b) Explain the working of k Neighbor Classifier in detail.

11.   (a) Describe the core aspects of clustering and its types.

                            (OR)
        (b) What are the different types of Clustering? Explain them.

12.   (a) Discuss the optimization methods.
                            (OR)
        (b) What is the difference between simulation and optimization? How do simulation and
            optimization can work together?

13.   (a) How to improve forecasting accuracy using simulation?
                            (OR)
        (b) Discuss the different types of simulations.