SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)
(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai - 600 044.
B.Sc.Statistics - END SEMESTER EXAMINATIONS - NOV'2024
SEMESTER - III
20USTCT3006 - **Applied Statistics**

Total Duration : 2 Hrs.30 Mins. Total Marks : 60

Section B

Answer any **SIX** questions $(6 \times 5 = 30$ Marks$)$

1. Explain additive and multiplicative models of time series.

2. Describe the role of forecasting in business.

3. Inspect the uses of index number.

4. Describe the roles of official statistics in india.

5. Explain the ratio to trend method in detail.

6. Examine the steps involved in forecasting.

7. Illustrate the problems in the construction of index number.

8. Examine the present structure of the indian statistical system.

Section C

Answer any **THREE** questions $(3 \times 10 = 30$ Marks$)$

9. Explain the method of moving average in detail.

10. Examine the ratio to moving average method and gives its advantages and disadvantages.

11. Distinguish between the various methods of forecasting.

12. Describe the methods of constructing index numbers.

13. Examine the functions of statistical systems.

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