

**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. END SEMESTER EXAMINATION APRIL/NOV - 2021

SEMESTER - III

20USTCT3006 - Applied Statistics

Total Duration : 3 Hrs	Total Marks : 75
MCQ : 30 Mins	MCQ : 15
Descriptive : 2 Hrs.30 Mins	Descriptive : 60

Section B

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

1. Explain about moving average method.
2. Describe about link relative method.
3. Explain the role of forecasting in Business in detail.
4. Distinguish between Weighted Index number and Un-weighted Index number.
5. Describe the Agricultural statistics and Industrial statistics.
6. Write a short note on Fixed and chain base index numbers.
7. Explain the steps involved in Box-Jenkins methodology.
8. Write a short note on variate difference method.

Section C

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

9. Explain in detail about the components of time series.
10. Describe about Ratio to trend method and Ratio to moving average method.
11. Illustrate the exponential smoothing with an example.
12. Explain the time reversal test and factor reversal test.
13. Depict the functions of CSO, NSSO and National Statistical Commission (NSC).