

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.(CS) - END SEMESTER EXAMINATIONS APRIL-2023

SEMESTER - III

20UCSAT3003 - Statistical Methods and its Applications - I

Total Duration : 2 Hrs 30 Mins.

Total Marks : 60

Section B

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

1. Define Classification and explain its types with examples.
2. Classify Histogram.
3. Apply the meaning of Arithmetic Mean.
4. Explain Box and Whisker plot with example.
5. State the concepts of random variable.
6. Compute the various type of Statistical Data.
7. Briefly explain about Frequency Curve and Ogives.
8. Justify the term 'Bayes' theorem.

Section C

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

9. Explain the nature and scope of Statistical Methods.
10. Apply the graphical determination of Median and Mode.
11. Examine:
 - a) Mean Deviation
 - b) Quartile Deviation
 - c) Standard Deviation
12. Predict the following terms of addition and multiplication theorem for two events.
13. Evaluate Mathematical Expectation.
