

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.(DS) - END SEMESTER EXAMINATIONS NOVEMBER -2023

SEMESTER - I

22UDSCT1001 - Introduction to Data Science

Total Duration : 2 Hrs 30 Mins.

Total Marks : 60

Section B

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

1. Explain the characteristics of Big Data.
2. Describe about Dictionaries with example.
3. Explain about the creation and manipulation of data frames.
4. Describe plotly and dash packages.
5. Explain in detail about Functions with example.
6. Briefly explain about String and its methods.
7. List out the features of Numpy and Pandas.
8. Explain about seaborn packages.

Section C

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

9. Describe about the different Data types with example.
10. Explain flow of control structures with syntax and example.
11. Illustrate and explain about the Tuples and its methods.
12. Briefly explain about the Statistical functions of Numpy.
13. Describe about Matplotlib packages.
