

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 EXAMINATIONS NOVEMBER-2022

SEMESTER - I

22UDSCT1001 - Introduction to Data Science

Total Duration : 2 Hrs 30 Mins.

Total Marks : 60

Section A

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

1. Identify the different types of data in data science.
2. Describe about the Scope of variables in Python.
3. Apply the dictionaries concept of python in real time data.
4. Explain the various string processing methods.
5. Explain about the features of Numpy in Python.
6. Relate the concept of statistical functions.
7. Describe about the data visualization.
8. Diagnose the various Plotly and dash packages in Python

Section B

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

9. Explain the Sources of big data and characteristics of big data.
10. Relate the concept of statements and expressions.
11. Determine the list method and tuples method.
12. Relate the creation and manipulation of data frames.
13. Determine the Matplotlib packages of Python.
