

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 - NOV'2024

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. Describe the types of data and how it is evaluated?
2. Sketch the difference between the list and tuple with example.
3. Prepare the various common mathematical and statistical functions.
4. Apply the methods for adding colors and labels to a graph.
5. Explain the creation of function with scope of variables.
6. Classify the creation and usage of dictionary in data science.
7. Show the attributes of nd-array with example.
8. Differentiate the representation of data in matplotlib and seaborn.

Section C

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

9. Illustrate the characteristics of Big Data.
10. Apply the purpose of conditional control structures.
11. Examine the need and purpose of various string methods.
12. Infer the types of data structure associated with pandas.
13. Evaluate the matplotlib package for creating various types of graph.
