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.
M.Sc.(CS) - END SEMESTER EXAMINATIONS APRIL - 2023
SEMESTER - II
20PCSCT2006 - Data Science Using Python

Total Duration : 2 Hrs. 30 Mins.   Total Marks : 60

Section B

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

1. Explain string handling in Python.
2. Illustrate the List with example.
3. Classify the various data types in Python.
4. Explain the methods of how to handle the missing data.
5. Describe the use of simple linear plots.
6. Classify the Visualization errors.
7. Explain the concepts of Bayesian classification.
8. Examine the use of Principal component analysis for feature selection.

Section C

I - Answer any **TWO** questions $(2 \times 10 = 20$ Marks$)$

9. Explain the errors and exceptions in Python.
10. Apply data manipulation in working with Pandas.
11. Examine the steps working with simple and scatter plots.
12. Assess the usage of Support Vector machines.

II - Compulsory question $(1 \times 10 = 10$ Marks$)$

13. Infer the steps of k-means clustering algorithm.

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