

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.Computer Science - END SEMESTER EXAMINATIONS - APRIL 2025

SEMESTER - II

**23PCSCT2006 - 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 the fast element wise array functions with an example.
2. Illustrate the data transformation process in detail.
3. How to classify the concepts of support vector machine? Explain.
4. Describe the data visualization for any real time data set.
5. Explain the handling of missing data.
6. Apply any of plotting functions for students data set items.
7. Explain the decision trees.
8. Examine the data analysis of "you tube".

**Section C**

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

9. Show the process of data processing using arrays.
10. Apply the procedure for the analysis for interacting with database.
11. Determine the analyzing of business reviews and ratings.
12. How the cluster algorithms associated with real time analysis for industries.

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

13. Determine the developing application using data set from Kaggle.

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