

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. Biostatistics - END SEMESTER EXAMINATIONS APRIL - 2024

SEMESTER - IV

20PBSET4003 - Sas Programming

Total Duration : 2 Hrs. 30 Mins.

Total Marks : 60

Section B

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

1. Explain about Data step and PROC step with an example.
2. Describe about Concatenating SAS data sets.
3. Compute the procedures for PROC GCHART.
4. Write the program for PROC UNIVARIATE and PROC TTEST.
5. Define (a) log error (b) assigning attributes to variables (c) reading SAS datasets.
6. Compute the program for keeping and dropping the variable.
7. Illustrate producing tabular reports using PROC TABULATE with examples.
8. Write a program for Two-way ANOVA with/without interactions using GLM Procedure.

Section C

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

9. Explain in detail about the SAS libraries, creating and maintaining SAS libraries
10. Explain in detail about the various ways of merging and combining the SAS datasets.
11. Describe the Regression Analysis using PROC REG Procedure and PROC LIFE-One-Way ANOVA.
12. Compare the reading the datasets and Creating variables.

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

13. Explain about Producing Graphical Charts using PROC CHART and PROC GPLOT.
