**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. - END SEMESTER EXAMINATIONS APRIL - 2022**
**SEMESTER - IV**
**20PBSET4003 - SAS Programming**

**Total Duration : 3 Hrs.**                                    **Total Marks : 60**

## Section A

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

1. What is SAS? What are the functions does it performs?

2. Explain Comparison and Logical operators with suitable example.

3. What is informats and formats? Explain built in formats and informats in SAS.

4. Define combining SAS data sets and give the syntax.

5. How are arrays is declared in SAS Program?

6. Data set name = Cars1 and Variable contained in that data sets are horse power, and weight. Select brands (Maruthi and Tata) from SASHELP.CARS
   Give the SAS code to compute i) two sample t – test using brand and hoursepower
   ii) Regression analysis using hoursepower on weight

7. Explain DO Loop in SAS with example

8. Describe about reading SAS data sets.

## Section B

## Part A

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

9. Explain in details about the following:
   i) SAS data libraries ii) The active libraries window and
   iii) Creating a new library

10. Illustrate producing tabular reports using PROC TABULATE with examples.

11. Explain about Producing Graphical Charts using PROC CHART, PROC GPLOT and PROC GCHART Procedures

12. Explain PROC DBLOAD Procedure for loading data from RDBMS and Excel Files.

## Part B

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

13. Elaborate the two parts of a SAS program with suitable examples.

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