

Roll.No.

25PCPCT1003

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.Counselling Psychology - END SEMESTER EXAMINATIONS - NOVEMBER 2025  
SEMESTER - I

**25PCPCT1003 - Quantitative Research Methods**

Total Duration : 2 Hrs. 30 Mins.

Total Marks : 60

### Section B

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

1. Explain the core principles of the scientific method as applied in psychology.
2. Define the types of variables with a psychological illustration.
3. Compare and contrast longitudinal and cross sectional designs.
4. Write a short note on the methods of data collection.
5. Conclude the steps to analyse the normal distribution of data with kurtosis and skewness.
6. Describe the graphical representatives of data in analysis.
7. Assess the Non parametric tests chi square test and Kruskal Wallis test with an illustration.
8. What are the steps to be considered while writing a quantitative research report?

### Section C

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

9. Give a brief note on the scale of measurements and hypotheses.
10. Explain the types of quantitative research designs in detail.
11. Determine the different types of sampling methods.
12. Write about the statistical software used for data analysis.

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

13. Examine the data with the parametric tests - One way and Two way ANOVA with an illustration.

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