

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 - APRIL 2025

SEMESTER - II

**22PCPCT2005 - Advanced Statistics in Psychology**

Total Duration : 2 Hrs. 30 Mins.

Total Marks : 60

**Section B**

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

1. Interpret the scales of measurement.
2. Classify the measures of central tendency.
3. Define the two- tailed and one-tailed tests of significance.
4. List the uses of non-parametric tests.
5. Prepare the sum for pairs signed ranks test.
6. Predict the need for analysis of variance technique.
7. Discuss about the regression and multiple regression.
8. Examine the exploratory factor analysis with example.

**Section C**

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

9. Conclude the meaning of correlation and its types.
10. Analyse the computation of significance difference between two means with example.
11. Distinguish the characteristics of non-parametric tests.
12. Relate the meaning and purpose of structural equation modelling.

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

13. Investigate the underlying assumptions in analysis of variance.

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