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.
B.Sc.Psychology - END SEMESTER EXAMINATIONS - NOV'2024
SEMESTER - III
21UPCAT3003 - Statistics in Psychology

Total Duration : 2 Hrs.30 Mins.   Total Marks : 60

Section B

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

1. Brief your understanding of the Frequency Polygon.

2. Illustrate the characteristics of descriptive statistics and inferential statistics.

3. Classify the guidelines for the use of central tendencies.

4. Relate the uses of average deviation, quartile deviation, and standard deviation.

5. Elaborate the properties of correlation co-efficient.

6. Discriminate one-tailed and two-tailed hypothesis tests.

7. Relate the applications of a dependent sample t-test with that of an independent sample t-test.

8. Associate the assumptions of the chi-square test and sign test.

Section C

Answer any **THREE** questions $(3 \times 10 = 30$ Marks$)$

9. Describe the scales of measurement with appropriate examples.

10. Relate the merits and limitations of quartile deviation and standard deviation.

11. Compare and contrast skewness and kurtosis.

12. Discriminate Type I and Type II decision errors. Which statistical analysis tool helps to control Type I error.

13. Compare and contrast parametric and non-parametric tests.

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