

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. END SEMESTER EXAMINATIONS APRIL - 2022

SEMESTER - III

20UPCAT3003 - Statistics in Psychology

Total Duration : 3 Hrs.

Total Marks : 60

**Section A**

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

1. Explain the need and importance of statistics in the field of Psychology.
2. Indicate the applications of various measures of central tendency.
3. Interpret the characteristics of Skewness and Kurtosis.
4. Illustrate when one tailed and two tailed test can be applied in hypothesis testing.
5. Explain the applications of chi-square test.
6. Describe the various scales of measurement.
7. Analyze the situations where different measures of variability are recommended.
8. Compute correlation by Pearson's product moment method.

X :	85	60	45	82	70	80	57	72	60	65
Y :	9	5	3	9	7	8	5	4	7	6

**Section B**

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

9. Describe in detail the various modes utilized for graphical representation of grouped data.
10. Compute mean, median, mode for the following data.

Scores	f
90 94	2
85 89	2
80 84	4
75 79	8
70 74	6
65 69	11
60 64	9
55 59	7
50 54	5
45 49	0
40 44	2

Contd.....

11. Explain the properties of a normal curve.
12. Explain the steps to determine the significance of difference between two means.
13. (i) Differentiate parametric and non-parametric test.  
(ii) Indicate the applications of any two non-parametric test.