

Roll.No.

21UPCAT3003

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 - NOVEMBER 2025  
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. Distinguish descriptive statistics from inferential statistics.
2. Analyze the importance and significance of statistics in Psychology.
3. Explain the properties of normal distribution curve.
4. Compare type I error with type II error using proper illustrations.
5. Examine the limitations of t test.
6. Apply rank correlation method to find correlation of X and Y.

X :	28	40	35	60	47	50	32	49
Y :	10	13	15	18	20	30	41	38

7. Describe the assumptions and uses of chi square test.
8. Compute Standard deviation for the following data:

Family:	A	B	C	D	E	F
Expenditure:	300	325	350	375	425	400

### Section C

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

9. Elucidate upon the various levels of measurement with suitable examples.
10. Calculate the mean, median mode for the following data

Scores	65-69	60-64	55-59	50-54	45-49	40-44	35-39	30-34	25-29	20-24
Frequency	1	3	4	7	9	11	8	4	2	1

Contd...

11. Find the product moment correlation of the following data:

X:	100	106	112	98	87	77	67	66	49
Y:	28	33	26	27	24	24	21	26	22

12. Determine the core logic of hypothesis testing

13. Evaluate the different non-parametric test

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