

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 - APRIL 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. Explain the different types of scales of measurement.
2. Describe the properties of normal curve.
3. Analyse the steps involved in hypothesis testing.
4. Sketch the assumptions and uses of chi-square test.
5. Compute mean and median for the data

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

6. Compute correlation by using product moment method for the following data.

subject	a	b	c	d	e	f	g	h
Test x	15	18	22	17	19	20	16	21
Test y	40	42	50	45	43	46	41	41

7. Explain the fundamental concepts in determining the significance of difference between means.
8. Explain the procedure involved in computing "t" test for dependant mean.

Section C

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

9. Sketch the graphical representation of grouped data.
10. Describe when you will use the various measures of central tendency and measures of variability.
11. Examine the types of correlation with relevant examples.
12. Describe the core concepts in inferential statistics.
13. Evaluate the assumptions and uses of sign test and median test.
