

Syllabus for B.Sc., Psychology (Major & Minor) in consonance with Curriculum framework

w.e.f. AY 2026-27

Psychology Programme Course Structure

SEM	Core / Elective Course	MAJOR	HRS	CREDITS	TOT AL	MINOR	HRS	CREDITS
IV	Core-VIII	Abnormal Psychology	3+2	3+1=4	12	Cognitive Psychology	3+2	3+1=4
	Core-IX	Statistics in Psychology	3+2	3+1=4				
	Core-X	Applied Social Psychology	3+2	3+1=4				

Semester-IV Core Course-IX: STATISTICS IN PSYCHOLOGY (Major)

Hours-3/week

Credits-3

Unit-I: Introduction-Frequency Distributions

Tabulation Measures Scores, Organizing Qualitative Data; Constructing a grouped Frequency Distribution, a Relative Frequency Distribution and a Cumulative Frequency Distribution;

Unit-II Graphic R presentation of the Data

Basic Procedures; The Histogram; The Frequency Polygon; The Bar Diagram; The Pie Chart

Unit-III Measures of Central Tendency

The Mean; the Median and the Mode; Properties and Relative Advantages and Disadvantages of the Mean, the Median and the Mode.

Unit-IV Measures of Variability

The Range; The Interquartile and the Semi-Interquartile Range; The Average Deviation; The Variance; The Standard Deviation; Calculation of Standard Deviation from Raw Scores and Grouped Scores; Properties and Comparison of Measures of Variability

Unit-V The Normal Distribution

The Nature and Properties of the Normal Probability Distribution; Standard Scores and the Normal Curve; The Standard Normal Curve.

Practicum: Hours: 2/Week Credits: 1

Any 4 practicum pertaining to the syllabus

1. Preparation of Frequency distribution tables
2. Poly graph/bar diagram/Pie chart
3. Calculation of Mean, Median and Mode
4. Demo of Normal Probability Curve
5. Any other relevant experiment

Reference Books

Aron, A., Aron, E.N., & Coups, E.J. (2007). *Statistics for Psychology. (4th Ed.)* India: Pearson Education, Prentice Hall.

Chadha, N.K. (1991) *Statistics for Behavioral and Social Sciences*. Reliance Pub. House: New Delhi.

Coolican, H. (2006). *Introduction to Research Methodology in Psychology*. London: Hodder Arnold.

Howell, D. (2009) *Statistical methods for Psychology*.

King, B.M. & Minium, E.W, (2007). *Statistical Reasoning in the behavioral Sciences USA*: John Wiley & Sons.

Mangal, S.K. (2012). *Statistics in Psychology & Education*. 2nd Edition. New Delhi: PHI learning Pvt. Ltd.

U.G. Four Honours - Major
Semester-IV
(Effective from the Academic Year 2026-2027)
Model Question Paper

Time : 3 Hours

Max. Marks: 75

SECTION-A

Answer any **FIVE** questions

(5X3=15 Marks)

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

SECTION-B

Answer **ALL** questions

(5X12=60 Marks)

- 11.(a)
Or
(b)
12. (a)
Or
(b)
13. (a)
Or
(b)
14. (a)
Or
(b)
15. (a)
Or
(b)
