2. PANAS

3. Measurement of Depression.

4. Measurement of Coping-Styles

5. Word Association Test

6. Eight-State Questionnaire.

8. Stress

Semester -IV

Psychological Methods and Statistics (Core Course)

Course Description: The aim of this course is to prepare students involved in research designs and statistical methods for the social and behavioral sciences. Understand and apply basic research methods in Psychology, including research design, data analysis and interpretation.

Course Objective:

i. To understand and apply basic statistical techniques to give the familiarity and understanding of the quantitative approach in psychology.
ii. To understand the basic theoretical, methodological approaches and fundamental domains of research methods and statistics.
iii. To develop knowledge of descriptive statistics and perform the mathematical computations.

Unit 1

Introduction:

Basic Elements of the Scientific Method, Research Problem, Hypothesis, and Variables.

Research Design: Meaning, Purpose and Types of Research Design.

Sampling: Meaning; Probability Sampling method and Non-Probability Sampling method.

Methods of Data Collection:

Case Study, Observation Survey, and Interview Method.

Unit 2

Nature and scope of statistics, application of statistics in Psychology, nature and Levels of measurement-categorical and continuous variable

Measures of Central tendency- nature and purpose, computation of mean median and mode

Unit 3

Measures of Variability: Concept and uses, computation of range, quartile deviation, average deviation and standard deviation

Normal Curve: Introduction to Normal Curve, Properties and applications of Normal Curve, Divergence of Normal curve (Skewness, Kurtosis)

Percentiles and Percentile Rank, Ogive.

Unit 4

Correlation: Meaning and Nature and Types of Correlation. Meaning, Assumption and Calculation of Product Moment Correlation and Spearman Rank Difference Correlation.

Unit 5

The meaning of Statistical Inference and Hypothesis Testing; Interpretation of Null and the Alternative Hypotheses; Degree of Freedom; One-Tailed and Two-Tailed Tests; Type-I and Type II Error; Steps for Hypothesis Testing; The t Distribution; Characteristics of Student's Distribution of t; The Statistical Decision regarding Retention and Rejection of Null Hypothesis (Level of Significance)

Parametric & Non-parametric tests:

Chi Square: Meaning, Assumption and Calculation – Equal Probability, 2*2

Practicals

Students have to complete any 5 of 7practical' of the following. Practical may be in the laboratory or community of field.

1. Memory Span

2. Muller lyer Illusion

3. Aptitude Test

4. Card Sorting

5. MMPI

6. Concept Formation

7. Value Test

Books Recommended:

Goode and Hatt: Methods in Social Research, Tokyo, McGraw Hill International Edition, 1986.

Garratt: Statistics in Psychology and Education, Bombay, Vakils, Feffer and Simmons, 6/e 1966.

Semester-IV

Guidance and Counselling (AECC)

Course Description: The course focuses on the aspects of Guidance and Counselling. Meaning, Nature, Scope of guidance and counselling, Goals, Objective, Counselling process, forms of Counselling

Course Objective:

i to introduce students with the concepts and need of counselling and Guidance.

Ii to introduce students with forms of Counselling

Unit. 1. Meaning, Nature, Scope of guidance and counselling

Unit. 2. Goals, objective, Importance and functions of counselling

Unit. 3.Counselling process

Unit. 4. Some forms of Counselling- career counselling, Counselling in work place, marriage and couple Counselling

Books Recommended:

1. Amarnath Rai and Madhu Asthana (2010) Moder Counselling Psychology, Motilal Banarsidas, New Delhi.

2. G. Lokanadha Reddy and T.C. Thankachan (2016) Guidance And Counselling,. Neelkamal Prakashan, New Delhi

3. RAJESH MAKOL, PROF. AMRITA SODHI and LALITA MAKOL (2016) Guidance And Counselling. Amazon