

# PSYCHOLOGY

## PART – A : RESEARCH METHODOLOGY

**Unit-I: Psychological Research: *Basic Concepts*** : Research Problem, Hypothesis, Variables, Ethical Considerations in Psychological Researches.

**Unit-II: Sampling and Probability** : Sampling and Its Techniques, Probability, Variance, Factor.

**Unit-III: Approaches to Research** : Experimental, Co-relational, Descriptive, Survey research.

**Unit-IV: Techniques of Data Collection** : Interview, Questionnaire, Observation, Scales, Non Self Report Methods.

**Unit-V: Research Design** : Foundation of Experimental Research Design, Experimental Designs (One way ANOVA, Between Group, Within Group, Mixed Designs), Quasi experimental.

**Unit-VI: Co-relational Research** : Nature and techniques of data collection, Bilinear and Partial correlation, Multivariate correlation, Multiple regression analysis, Factor Analysis.

**Unit-VII: Qualitative Research Methods** : Grounded Theory, Narrative Analysis, Discourse Analysis, Ethnography, Interpretative Phenomenological Analysis.

**Unit-VIII: Statistics: Methods of Data Analysis** : Descriptive and Inferential Statistics, Univariate Analysis, Bivariate analysis, Multivariate Analysis.

**Unit-IX: Psychological Assessment** : Types of Scales, Steps of Test Construction, Psychometric and Projective Tests, Reliability, Validity.

**Unit-X: Non-Parametric Methods and Statistics** : Parametric and Nonparametric statistics, Basic Assumptions, Chi Square Test; Median Test; Sign Test.

## PART – B : PSYCHOLOGY

**Unit-I: Cognitive Processes I** : Divided, Selective and Sustained Attention; Signal Detection Theory; Perceptual Organization; Determinants of Perception; Classical & Instrumental Conditioning; Reinforcement Schedules; Verbal Learning: Methods & materials, Organizational Processes; Encoding, Storage, Retrieval; Sensory, Short term, Working, Long term, Episodic and Semantic Memory; Theories of Forgetting; Models of Memory (Atkinson & Shiffrin; Craik & Lockhart; Tulving).

**Unit-II: Cognitive Processes II** : Concept Formation (Features and Rules; Strategies); Reasoning: Deductive and Inductive; Problem Solving (Stages, Types of Problems, Solution Strategies, Creative problem solving); Language and Thought; Language Comprehension; Creativity: Nature and Measurement, Factors affecting Creativity.

**Unit-III: Motivational and Affective Processes** : Instincts, Needs, Drives, Incentives, Motives; Biological Motives (Hunger, Thrust, Sleep & Sex); Social Motives (Achievement, Aggression, Approval); Intrinsic and Extrinsic Motivation; Theories of Emotion (James-Lange, Cannon-Bard, Schachter- Singer, Rasa theory); Non verbal expression of emotion; Emotional Intelligence.

**Unit-IV: Intelligence and Personality** : Determinants of Intelligence and personality; Theories of Intelligence; Theories of Personality.

**Unit-V: Neuro-Physiological Bases of Behaviour** : Methods and techniques used in Neuro-physiological studies; Neuron, Nerve Impulse transmission, Synapse; Central, Peripheral and

Autonomic Nervous System: Structure and Functions; Neuro-Physiological bases of Hunger, Thrust and Sleep.

**Unit-VI: Social Psychology :** Approach, theories of social psychology (Classical and Advance theories); Research methods (Experimental vs. Applied); Social cognition (social inference process and Schema, Person perception, Impression Formation, Attribution theories); Attitude (Formation and Change, Attitude and behaviour); Interpersonal Relationship: Interpersonal Attraction, Aggression, Helping behaviour: Theories and Determinants; Social Influence and Group Influence Processes: Social Facilitation, Polarization, Group Think and Leadership.

**Unit-VII: Life Span Human Development :** *Human Development:* Foundation, Theories and Research approaches to human development; *Conception to End to Infants:* Prenatal development, Infancy: Physical, Cognitive, Socio- emotional development; *Childhood and Adolescence:* Physical, Cognitive, Emotional, Social and Personality development; Adulthood and Ageing: Cognitive, Social and Personality development in adulthood; Ageing: Physical, Cognitive, Social and Personality Changes, Death and Dying.

**Unit-VIII: Environmental Psychology :** Environment-Behaviour Theories; Environmental cognition; Environmental Stressors; Crowding, Personal space and Territoriality; Changing Behaviour to Save the Environment.

**Unit-IX: Applied Psychology-I :** Organizational Behaviour: Concepts and Issues, Motivation: Theories and application, Job analysis, Organizational Leadership, Job Satisfaction, Conflict Management; Abnormal Psychology: Classification system, Mental Disorders; Health Behaviour: Positive and Negative Health Behaviour, Chronic physical health problems and its psychological correlates; Stress and coping with stress.

**Unit-X: Applied Psychology-II :** Intervention Techniques for Mental disorders: Psychoanalytic, Behavioural, Cognitive and Humanistic Therapies; Counseling Skills, Goals of Counseling, Counseling Techniques; Human Resource Management: Role of Hawthorne Studies, Job Analysis and Performance Appraisal, Work environment, Personnel Training and development.