

Syllabus for Ph.D Entrance Test-2016 (Psychology)

Unit I: Cognitive Processes

Attentional Process: Selective Attention and Its Theories; Divided Attention and Resource Allocation. Types & Models of Memory. Types & Models of Concept Formation. Imagery, Cognitive Maps & Perceptual Processes. Reasoning, Problem Solving, Creativity & Decision Making. Language & Comprehension.

Unit II: Bio-Psychology

Structure & Function of Neuron. Generation & Conduction of Action Potential. Structure & Function of Nervous System. Endocrine System & its functions. Genetics: Gene, Chromosome, Structure of DNA.

Unit III: Systems & Theories in Psychology

Behaviorism: John Watson, Edward Thorndike, Skinner, Tolman & Pavlov;

Gestalt theories: Field theory and Insight theory.

Social learning theories: Albert Bandura & Julian B. Rotter.

Psychoanalysis: Freudian & Neo Freudian Approaches.

Humanistic theories: Abraham Maslow, Carl Roger.

Unit IV: Psychological Testing

Intellectual and Educational Assessment: Stanford-Binet Scale, Wechsler Scale (WISC-R). Personality Assessment: Projective & Objective Techniques. Neuro-Psychological Assessment: Halstead-Reitan Battery & Luria's Approach. Skills and Personal Qualities of Therapist in Intervention & Models of Intervention.

Unit V: Social Psychology

Historical trends and current themes in Social Psychology. Social Perception; Communication, Impression Formation, Attribution and its theories. Attitude, Discrimination & Prejudice.

Social Influence: Conformity, Compliance , Intergroup conflict & Conflict Resolution. Concept & Psychological causes of Aggression.

Unit VI: Counselling Psychology

Counselling: Types of Counselling, Steps/Stages of a Counselling Process ; Ethical & Legal issues in Counselling. Psychoanalytic; Humanistic; Gestalt and Cognitive-Behavioural approaches to Counselling. Variables Affecting counselling process & Skills of a Counsellor. Counselling in various Settings: Family, Career, Marital, Special Population .

Unit VII: Statistics in Psychology

Applications of Normal Probability Curve (NPC). Hypothesis Testing. Tests of Significance: t-test, F-test, Chi-square test, Mann-Whitney “U” test, K-S test, One-way & two-way ANOVA, Kruskal-Wallis & Friedman’s Methods. Correlation: Pearson’s & Spearman’s Method of Correlation Analysis. Partial correlation & Multiple correlation. Regression & Factor Analysis.

Unit VIII: Research Methodology

Meaning, Purpose & Steps of Research ; Problem Identification; Theory and its Role in Research; Ethics in Research. Research Methods: Experimental and Non- Experimental; Laboratory Experiments; Field Experiments; Field Research, Survey Research; Ethnography and Case Study. Concept & Types of Sampling. Data Analysis : Processing data, editing, coding, memoing, abstracting comparing and displaying. APA style of Report Writing.