

UGC – NAAC ‘A’ Grade

**Psychology Department
Ph.D. Entrance Exam 2018-19 Syllabus**

Unit 1: Cognitive Psychology and Cognitive Science

Introduction to cognitive Psychology and Cognitive Science; Cognition and Brain: Basic Principles; Behavioral, Electrophysiological, and Neuroimaging methods; Attention and consciousness; Memory: Visual Memory, STM and Working memory, and Long term Memory; Language, Brain and Cognition; Speech Recognition; Language Development; Reading development; Reading process; Reasoning and Decision making; Gene-Brain-Behavior Link.

Unit 2. Psychological Testing Clinical Assessment and Clinical Assessment

Functions, origins, and application of psychological testing; Item development and item validation; Development of norms and the meaning of test scores; Reliability and Validity of tests; Types of tests. Principles and methods of clinical assessment; Assessment of cognitive functions; Assessment of personality; Assessment of deviance and pathology.

Unit 3: Biological basis of behavior

Neurons; Nerve impulse propagation; Structure and functions of Nervous system; Diversity of life; Structure of genes; Protein synthesis; Cell division; Mendel and post Mendellian developments; Evolution; Behavior genetics – Introduction and Methods.

Unit 4. Research Methodology & Statistics

Variables; Hypothesis; Measurement and scales; General Principles of Research; Types of Research Designs; Sampling methods; Analyzing and reporting results; Quantitative methods; Analyzing and reporting results - Qualitative methods; computer and its use in data analysis Probability; Binomial and Normal Distribution and Hypothesis Testing; Correlation and Regression; ANOVA, MANOVA and other Multivariate Statistics; Nonparametric Statistics.

Unit 5. Learning Theories

Functionalistic Theories (Thurndike, Skinner, and Hull); Associationistic Theories (Pavlov, Guthrie, and Estes); Cognitive Theories (Gestalt, Piaget, Tolman, and Bandura); Biological Theories (Hebb, and Bolles).

Unit 6. Personality

Psychodynamic perspective (Freud, Jung, Adler, Horney, Erikson); Humanistic and Existential perspective (Erich Fromm, Carl Rogers, Maslow); Cognitive perspective (George Kelly, Rotter, Bandura); and Eastern perspective (Indian).

Unit 7. Child and Adult Psychopathology

Attention Deficit Disorder; Oppositional Defiant and Conduct Disorder-causes and management; Childhood Anxiety and Depression Disorders; Enuresis, Encopresis, Sleep walking-Causes and Management; Learning Disability; Autism-causes and management; Mental Retardation-Types, Classifications-causes, prevention and Management 2 Theories and Models of Anxiety Disorders; Theories and Models of: Somatization, Somatoform and Dissociative disorders; Theories and Models of: Mood, Schizophrenia, and Delusional disorders; Models of personality disorder (Psychodynamic, Behavioral, Cognitive and Biological models).

Unit 8. Psychotherapy and Counseling Psychoanalytic Technique; Techniques based on Counter Conditioning; Techniques based on Operant conditioning; Techniques based on Cognitive Behavioral Approaches: Beck, Ellis. Personcentred and Gestalt therapies; Family and marital therapies; Transpersonal approach; Body-centred therapy, Yoga and Holistic approach. Individual counseling – approaches and techniques; Group counseling – approaches and techniques; Counseling for career planning and decision making, Life skills and counseling.

Unit 9. Organizational Behavior and Organizational Development

Introduction to Organizational Behavior; Leadership and Teams at work; Motivation in Organization; Communication and Decision Making. Overview of organization Development; The Process of Organization Development - Diagnosing the problems; Designing Interventions and Leading and Managing Change.

Unit 10. Organizational Psychology and Human Resource Development

The field of organizational behavior (history, subject matter, and scope); Leadership and Teams at work; Motivation in Organization; Communication and Decision Making; Training and development; Need Assessment, Training Design & Implementation; Evaluating the training Effectiveness; Performance Appraisal; HR Planning and recruitment; Future challenges: Indian & Global.