

**Maulana Abul Kalam Azad University of Technology, West Bengal**  
(Formerly West Bengal University of Technology)  
**Syllabus for M. Sc. Clinical Psychology**  
(Effective for Academic Session 2018-2019)

**Semester-I**

**Theory:**

**MCP-101: Cognitive Psychology:**

- **Unit-1: Attention and Learning – 10hrs**

Attention Processes: Selective Attention, Divided Attention and Sustained Attention

Theoretical Perspectives: Broadbent, Treisman, Deutsch & Norman.

Latent learning, insight learning, observation learning

Theoretical Perspectives- Skinner, Hull, Tolman

- **Unit-2: Psycho-physics & Perceptual System – 16hrs**

Introduction to Psycho-physics. Classical approach and modern approach: Weber's Fechner's law, Stevens Power Law, Methods of psychophysics.

Theory of Signal Detection. Information Processing Approach- Serial and Parallel Processing

Theories of Perception: Gestalt approach, Top –Down vs. Bottom Processing, Information Processing; Pattern Recognition: Feature detection analysis, Template matching, Prototype matching

Brain and Perception: Dorsal and Ventral pathways; Disruptions of Perceptions: Illusions and Agnosia.

- **Unit-3: Memory – 14hrs**

Atkinson and Shiffrin's Model, W. James Implicit and Explicit , Craik and Lockhart, Tulving, Trace Model and Network Model

Sensory memory, Short Term Memory; Working Memory approach. Encoding in LTM; Retrieval in LTM, Explicit versus Implicit Memory tasks, Declarative and Non-declarative, Autobiographical Memory; Flashbulb Memories

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**MCP-102: Physiological Psychology:**

- ***Unit-1: Study of the Nervous System – 16hrs***

Basic features of the Nervous System, Meninges, Ventricular System, Cerebrospinal Fluid, Blood Brain Barrier.

Peripheral Nervous System: Cranial Nerves, Spinal Nerves, Autonomous Nervous System.

Major structures and functions of the Spinal Cord and the Brain: Fore Brain, Mid-brain, Hind-brain.

Cerebral cortex: frontal, temporal, parietal and occipital lobes.

- ***Unit-2: Bio-psychology of Consciousness – 8hrs***

Physiological correlations of Arousal: consciousness and sleep; Factors affecting consciousness. Sleep: Stages of sleep, brain mechanisms of sleep and dreaming, physiological mechanisms of sleep and waking, disorders of sleep

- ***Unit-3: Bio-psychology of Emotion, Stress & Health – 16hrs***

Physiological correlates of emotions, anxiety and aggressive behavior. P

Physiology of Stress and related diseases (Headache, Cardiovascular diseases, Hypertension, Diabetes, Asthma, Rheumatoid Arthritis)

Stress related Psychological Disorders

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**MCP-103: Theories of Personality Studies**

- **Unit-1: Psycho-dynamic Theory – 16hrs**  
Classical psychoanalysis: Freud, Neo-Freudian: Jung, Adler, Erikson, Object Relations
- **Unit-2: Behavioural & Trait Theory -14hrs**  
Radical Behaviorism: Skinner; Social Learning: Dollard and Miller; Social Cognitive Theorist: Bandura, Allport, Cattell
- **Unit-3: Humanistic Theory – 10hrs**  
Maslow, Rogers, Frankl, Kelly and Rollo May

**MCP-104: Application of Psychology in Community**

- **Unit-1: Organizational Psychology – 12hrs**  
Industrial & Organizational Psychology.  
Scope and Emergence and Advancement of Organizational Selection Placements, Performance Appraisal, Work Environment
- **Unit-2: Socio-cultural Psychology – 14hrs**  
Pro-social Behavior, helping, altruism  
Anti Social Behavior, Aggression, Crime and Terrorism; Personal and Situational Influences. Aggression: Theories of aggression
- **Unit-3: Gender Psychology – 14hrs**  
Gender Identity formation, Stereotypes, Bem's model

**Practical:**

1. MCP-181: Field Work
2. MCP-191: Personality & IQ Assessment