

# SYLLABUS: M.A./ M.Sc. PSYCHOLOGY

## SEMESTER I

### M1/PSY 01-CT01: THEORETICAL PERSPECTIVES OF PSYCHOLOGY

#### Unit 1- Psychoanalytical perspective:

Brief History of Psychology: Structuralism, Functionalism, Gestalt, Sigmund Freud's approach, and Neo-freudian approach to motivation, personality, therapy and applications.

#### Unit 2 - Behaviouristic perspective:

Learning- Classical Conditioning (Pavlov) and Operant Conditioning (Skinner);  
Motivation – Drive and incentive theories (Miller and Dollard, Rotter);  
Personality – Concept and types.

#### Unit 3 - Humanistic & Existential perspectives:

Motivation : Hierarchy of motives (Maslow), ERG Theory (Alderfer), Theory of needs (McClelland);  
Personality : Personal construct ( Kelly), Self-theory of personality (Rogers); Existential approaches; theory and application.

#### Unit 4 - Cognitive and Social Perspectives:

Motivation: Cognitive balance and dissonance theory (Hieder, Festinger);  
Personality: Dissonance (Brehm), Social learning theory (Bandura); Theory and application.

#### Unit 5 -Dynamic Psychology

Woodworth, Hedonism, Psychoanalysis, Purposivism, basic features and its implications. 'Hormic Psychology' (McDougall)

#### Recommended Books:

- Davis R.S ( 1996). Psychology of Learning and Motivation, Academic press.
- Ekman, Paul and Davidson, R.J ( Eds-1994). The nature of emotions, fundamental questions.Delhi, OxfordUniversity Press Series in Affective Science.
- Hall. C.S. Lindzey G and Campbell J.B (1998) Theories of Personality. New York John Wiley and Sons ( 4th edition).
- Hergenhahn B.R. and Olson M. H. ( 1998) Theories of personality, Prentice Hall
- Hilgard, E. R Bower G.H, Sahakian, H ( 1997) Psychology of learning. Prentice Hall of India, Revised edition
- Lawrence A, Pervin and Oliver P John ( 1997) Personality: Theory and Research NewYork, John Wiley, 7th edition
- Sahakian(1976) Introduction to Psychology of Learning. Chicago: Rand McNally College Publishing Company.
- Weiner B (1985) Human Motivation, New York: Springer.

## **M1/Psy 02-CT02: ADVANCED EXPERIMENTAL PSYCHOLOGY**

### **Unit – I**

Experimentation: Introduction, Definition, Nature Scope and Importance of Experimental Psychology. Perceptual Phenomenon: Three Points of View, Principles of Perceptual Organization, Motivation and Attitudinal Determinants of Perception.

### **Unit –II**

Dynamics of Perception: Projection Dynamic – Figural after effect, Perception of Movement and Depth, Central Dynamics – Space Perception Perceptual Constancy. Illusion: Meaning and Types.

### **Unit - III**

Learning: Principles of Classical Conditioning and Operant Conditioning, Schedule of Reinforcement, Nature and Properties: Discriminative and Non-discriminative learning Factors affecting conditioning.

### **Unit - IV**

Verbal Learning: Basic Determinants, Organization and Transfer properties. Memory: Meaning and types, Models of memory, improving memory. Forgetting: Ebbinghaus Experiment on Forgetting, Paradigms of Transfer and Retroaction, Habit Interference, Zeigarnik Effect, Jost's Law.

### **Unit – V**

Motivation : Nature and Types: Intrinsic and Extrinsic, motivational cycle. Theories of motivation: Vector-valence theory, opponent process theory. Emotion: concept and theories.

### **Recommended Books**

- D' Amato, M.R. (1970), Experimental Psychology: Methodology, Psychophysics and Learning, Delhi: Tata McGraw Hill.
- Dodd, D.H. and White, R.M. (Jr.) (1980), Cognition: Mental Structures and Processes, Boston: Allyn and Bacon Inc.
- Galotti, K.M. (1999), Cognitive Psychology in and Outside Laboratory, Mumbai: Thomson Asia.
- Gazzaniga Ivry Mangun (2002), Cognitive Neuro Science (the Biology of the mind), W.W. Norton and Company Inc. (USA).
- Hilgard, E.H. and Bower, G.H. (1975), Theories of Learning, Englewood Cliffs: Prentice Hall.
- Matlin, M.W. (1994), Cognition, Bangalore: Prism Books Private Ltd.
- Reynolds, A.G. and Flagg, P.W. (1978), Cognitive Psychology, Cambridge, Massachusetts : Winthrop Publications Inc.
- Rosenzweig, M.R. Bred Love, S.M. Seiman, A.L. (2002), Biological Psychology, Sinaver Associates, Inc. (USA)
- Terry, W.S. (2003), Learning and Memory, Boston : A and B

- Woodworth & Schlosberg, Experimental Psychology

## **M1/Psy 03-CT03 : Biopsychology**

### **Unit I : Introduction:**

Definition and Scope of Biopsychology. Research Methods of Biopsychology. Endocrine glands: types and functions.

### **Unit II: Nervous System:**

Neuron-Structure, Type and Functions; Central Nervous System and Peripheral Nervous System-Structure and Functions. Synaptic Transmission; Neurotransmitters.

### **Unit III: Learning and Memory:**

Nature of learning, Neural Mechanism of Learning and Memory; Disorders of Memory. Stages and Disorders of Sleep.

### **Unit IV: Lateralization and Language Disorders :**

Cerebral Lateralization of Brain, Functions of Left and Right Hemispheres. Cortical localization of Language and Language Disorders.

### **Unit V: Emotion, Stress and Health:**

Emotions and Autonomic Nervous System, Emotions and Facial Expression. Brain Mechanisms of Human Emotion. Mechanism of Hunger and Thirst.

### **Recommended Books**

- Carlson, N.R. (2007). Foundation of Physiological Psychology. New Delhi: Pearson Education.
- Grossman, S.P. (1967). A Textbook of Physiological Psychology, New York: Wiley.
- Levinthal, C.F. (1990). Introduction to Physiological Psychology, New Delhi: Printice Hall of India.
- Pinel, J.P. (2007) Biopsychology. New Delhi: Pearson Education.
- Thompson, R.F. (1980). Introduction to Physiological Psychology. New York: Harper and Row.
- Tripathi, B. and Tripathi, A. (1989) Adhunik Dehik Manovigyan, Gorakhpur, Vaishali Prakashan, Bakshipur.

## **M1/PSY 04-CT04 : Research Methodology**

### **Unit 1 - Research Process**

Definitions and types of research, scientific research, advantages of scientific research.

Steps involved in research process, Formulation of a problem, Literature review, Research design. Ethical issues for research.

### **Unit 2- Variables, Probability and Hypothesis Testing**

Variables: IV, DV, and extraneous variables.

Hypothesis- definition, characteristics, types; Hypothesis testing (Type I & type II errors).

Concept of Probability, Normal Probability Curve, Characteristics of the Curve.

### **Unit 3 Sampling and Data Collection**

Sampling design: Meaning, probability and non-probability sampling methods and determinants of sample size.

Data collection methods: Observation: naturalistic, laboratory, participant and nonparticipant, structured and unstructured; Interview: structured and unstructured,

Questionnaires: close-ended and open-ended, scales.

#### **Unit 4- Research Designs**

Part A: Experimental Designs: True Experimental (Between group, within groups, factorial),

Part B: Quasi-experimental Designs: (Designs with control group, designs without control group, designs to measure developmental changes)

Part C: Non-experimental (Observational, survey, correlational)

#### **Unit 5- Report Writing**

Need for a report, Types of Writing, Purpose of writing, Avoiding plagiarism, Organizing information, Report writing in APA format, References in APA format, General Guidelines,

#### **Recommended Books**

- Kerlinger, F.N.. (2000) Foundations of Behavioural Research (5<sup>th</sup> Indian reprint) New Delhi : Surjeet Publication
- Broota, K.D. (1992). Experimental Designs in Behavioural Research , New Delhi : Wiley.
- Dennis, H. And Duncun, C. (2005). Introduction to Research Methods in Psychology. New Delhi Pearson.
- Guthrie, G. (2010). Basic Research Method. New Delhi : Sage.
- Kline, T.J.B. (2005). Psychological Testing. New Delhi Vistaar Publication
- Mc Burney, D.H. and White, T.L (2007). Research Methods. New Delhi: Cengage
- Best, J.W. & Kahn, J.V (2005). Research in Education. Prentice-Hall of India. (9<sup>th</sup> ed.).
- Bordens, K.S. & Abbot, B.B. (2002) Research Designs and Methods: A Process Approach. McGraw-Hill (5<sup>th</sup> ed).
- Cozby, P.C. (1997) Methods in Behavioral Research. Mayfield Publishing Company. (6<sup>th</sup> ed).
- Creswell, J.W. (2007) Qualitative inquiry & Research Design. Sage Publications (2<sup>nd</sup> ed)
- Heppner, P.P, Wampold, B.E. & Kivilighan, D.M. (2008). Counseling Research. Brooks-Cole.
- Kothari, C.R. (2003) Research methodology: Methods and techniques. Vishwas Prakashan (2<sup>nd</sup> ed).
- McBurney, D.H. (2001) Research methods. Thomson (5<sup>th</sup> ed).
- Publication Manual of the American Psychological Association (6<sup>th</sup> ed).

#### **M1/PSY 01-CP01 : Practical – I Experimental Psychology**

**A student will be required to conduct any six Practical**

1. Perceptual Organization
2. Space Perception
3. Figural after effect
4. Classical Conditioning / Operant Conditioning
5. Motivation
6. Verbal Learning
7. Zeigarnik Effect
8. Retroactive/ Proactive Inhibition
9. Transfer of learning
10. Practical as suggested by the teacher

### **M1/PSY 02-CP02 : Practical – II: Research Methods**

#### **A student will be required to conduct six Practical**

1. Problem and Hypotheses Formulations/ Variables identification
2. Experimental Design
3. Factorial Design
4. Longitudinal or Cross sectional Design
5. Review of Literature
6. Synopsis Preparation
7. Report writing
8. Methods of Data Collection (any two)
9. Questionnaire / Observation / Survey method
10. Interview schedule preparation
11. Practical as suggested by the teacher