Contents:
Theory (and Practical) Syllabus for Courses:
A.PSY.5.01 Psychometrics and Statistics
A.PSY.5.02 Abnormal Psychology
A.PSY.5.03 Industrial Organizational Psychology
A.PSY.5.04 Cognitive Psychology
A.PSY.5.05 Psychology Practicals
A.PSY.5.06 Counseling Psychology

TYBA Course: A.PSY.5.01
Title: Psychometrics and Statistics
Learning Objectives:
1. To ensure understanding of the nature, uses, technical features, and process of construction of psychological tests
2. To highlight the distinction between testing and assessment
3. To facilitate awareness of the application of psychometrics to intelligence
4. To develop skills in the uses and applications of statistics to the behavioral sciences
5. To create a foundation for advanced learning of psychological testing, assessment, and statistics
6. To introduce students to the link between psychometrics and personality
Number of lectures: 60

UNIT 1 Psychological Testing and Assessment (15 lectures)
1.1 Historical Perspectives
1.2 Distinction between Testing and Assessment
1.3 Assumptions about Testing and Assessment
1.4 Criteria of a Good Psychological Test

UNIT 2 Reliability (15 lectures)
2.1 The concept of Reliability
2.2 Reliability estimates – Various methods
2.3 Reliability and individual scores
2.4 Using and interpreting a reliability coefficient

UNIT 3 Validity (15 lectures)
3.1 The concept of Validity
3.2 Content Validity
3.3 Construct Validity
3.4 Criterion-related Validity

UNIT 4 Univariate Statistics (measures of central tendency, location, dispersion) (15 lectures)
4.1 Variables and Scales of measurement
4.2 Tabulation Techniques
4.3 Graphical Representations
4.4 Central tendency - Calculation, merits, limitations, and uses
4.5 Location – Calculation, merits, limitations, and uses
4.6 Dispersion – Calculation, merits, limitations, and uses

List of Recommended Reference Books

Books for study:

Books for reference
- Exercises in Psychological Testing. (2nd ed.). Boston: Pearson Education
- Howell D.C. Statistical Methods for Psychology. (7th ed.)

TYBA

Course: A.PSY.5.02

Title: Abnormal Psychology

Learning Objectives:
1. To ensure understanding of important concepts of abnormal psychology.
2. To acquaint students with classic and contemporary theories and issues in abnormal psychology.
3. To impart knowledge and understanding of the different psychological disorders with respect to symptoms, diagnosis, causes and treatment.
4. To increase awareness about mental health problems in society.
5. To understand the issues related to diagnosis and labelling.
6. To introduce students to the link between abnormal psychology and personality.
7. To create a foundation for higher education and a professional career in clinical Psychology.

Number of lectures: 60

UNIT 1. AN INTRODUCTION TO ABNORMAL PSYCHOLOGY (15 lectures)
1. Concept/meaning and criteria of abnormal behaviour
2. Historical and Contemporary views of Abnormal Behaviours
3. Clinical assessment
4. Theoretical approaches to understanding causal factors

UNIT 2. ANXIETY AND RELATED DISORDERS (15 lectures)
1. Phobias
2. Panic disorder
3. Generalized anxiety disorder
4. Obsessive compulsive disorder
5. Post traumatic stress disorder
6. Causal factors of anxiety disorders
7. Treatments and outcomes of anxiety disorders
UNIT 3. SCHIZOPHRENIA  (15 lectures)
3.1 Clinical picture
3.2 Subtypes
3.3 Causal factors
3.4 Treatments and outcomes

UNIT 4. ADDICTION DISORDERS  (15 lectures)
4.1 Concepts related to Addiction
4.2 Addiction to Alcohol and Drugs
4.3 Myths and facts, causal factors, treatments and outcomes
4.4 New-Age addictions

List of Recommended Reference Books

Books for study:

Books for Reference:
- Dhanda, Amita. (2000) Legal Order and Mental Disorder. New Delhi, Sage publications pvt ltd

TYBA Course: A.PSY.5.03
Title: Industrial Organizational Psychology

Learning Objectives:
1. To ensure understanding of important concepts, processes and issues in the field of Industrial-Organizational psychology.
2. To inculcate knowledge of different facets of organizational functioning.
3. To develop critical thinking and application skills with respect to the subject matter of psychology in the context of work.
4. To introduce students to the link between psychology and personality.
5. To introduce students to the link between I-O psychology and personality.
6. To gain insight into the association between theory and practice in the field of I-O psychology.
7. To create a foundation for higher education and for a professional career in I-O psychology.

Number of lectures: 45

UNIT 1
1. INDUSTRIAL ORGANIZATIONAL PSYCHOLOGY (AN INTRODUCTION) AND EMPLOYEE SELECTION (15 lectures)
   1.1 Scope and challenges for I-O psychology
   1.2 Job and work analysis
   1.3 Recruitment process
   1.4 Selection techniques
   1.5 Assessment centers
   1.6 Fair employment practices and other ethical issues

UNIT 2
2. PERFORMANCE AND TRAINING (15 lectures)
   2.1 Understanding performance and the need for appraisal
   2.2 Techniques of performance appraisal
   2.3 Sources of error and bias in performance appraisals
   2.4 Ways to improve performance appraisal
   2.5 Scope and goals of organizational training
   2.6 The pretraining environment
   2.7 How people learn: Psychological issues
   2.8 Types of organizational training programs
   2.9 Evaluating training programs

UNIT 3
3. LEADERSHIP (15 lectures)
   3.1 Concept of leadership
   3.2 Sources of influence and power
   3.3 Approaches to understanding of leadership
   3.4 Gender and inclusion in leadership
   3.5 Characteristics of successful leaders
   3.6 Challenges of leaders

List of Recommended Reference Books

Book for study:

Books for reference


Course: A.PSY.5.04
Title: Cognitive Psychology

Learning Objectives:
1. To ensure understanding of the fundamental concepts of cognitive psychology and the basic cognitive processes
2. To provide a balanced knowledge base of theory and research in cognitive psychology
3. To highlight the neuropsychological basis of cognition
4. To develop critical thinking and application skills with respect to the subject matter of cognitive psychology and life in general
5. To create a foundation for higher education and a career in cognitive psychology
6. To introduce students to the link between cognitive psychology and personality

Number of lectures: 60

UNIT 1 AN INTRODUCTION TO COGNITIVE PSYCHOLOGY AND NEUROCOGNITION (15 lectures)
1.1 Definitions of Cognition, Cognitive Psychology, Cognitive Science
1.2 History of Cognitive Psychology
1.3 The Cognitive Revolution and Current Trends
1.4 Paradigms of Cognitive Psychology
1.5 Research Methods in Cognitive Psychology
1.6 Structure of the Brain - Basic Anatomy
1.7 Basic Neurology
1.8 Localization and lateralization of Function
1.9 Brain Imaging techniques

UNIT 2 FORMING AND USING NEW MEMORY TRACES (15 lectures)
2.1 Metaphors of Memory
2.2 Sensory Memory
2.3 Short Term Memory
2.4 Working Memory and Executive Functioning
2.5 Neurological Studies of Memory Processes

UNIT 3 RETRIEVING MEMORY FROM LONG TERM STORAGE (15 lectures)
3.1 Taxonomy of LTM
3.2 Mnemonic Devices
3.3 The Traditional View of LTM
3.4 The Levels of Processing View
3.5 Amnesia

UNIT 4 MEMORY FOR GENERAL KNOWLEDGE (15 lectures)
4.1 The Semantic – Episodic Distinction
4.2 Semantic Memory Models
4.3 Implicit v/s Explicit Memory
4.4 Schemata, Scripts, and the Propositional Approach
4.5 Bandura’s Social Cognitive Theory

List of Recommended Reference Books
Book for study


Books for reference


TYBA

**Course: A.PSY.5.05**

**Title: Psychology Practicals**

**Learning Objectives:**
1) To provide experiential learning in the basics of psychological research methodology.
2) To facilitate understanding of the key concepts of hypotheses, variables, controls, and designs at the core of laboratory experiments.
3) To develop skills in observation, experimentation, data analysis, and report writing.
4) To provide training in administration, scoring, and interpretation of psychological tests.
5) To enhance interest in the process of scientific inquiry and the development of an analytical perspective.
6) To create a foundation for higher education and a career in psychological research.

Four Experiments and one test from the following topics
1. Attention
2. Forming and using new memory traces
3. Retrieving memory from long term storage
4. Memory for general knowledge
5. Intelligence / aptitude Test

(6 lectures per week, per batch of 8 students)

**Number of lectures: 90**

**List of Recommended Reference Books**


TYBA Course: A.PSY.5.06
Title: Counseling Psychology

Learning Objectives:
1. To ensure understanding of important concepts, processes and issues in the field of counseling psychology.
2. To inculcate knowledge and comprehension regarding the rationale, goals and techniques of various counseling approaches.
3. To facilitate insight into the use and application of counseling with diverse groups.
4. To introduce students to the link between counseling psychology and personality.
5. To establish a foundation for a professional career in counseling psychology.

Number of lectures: 45

UNIT 1 THE FUNDAMENTALS OF COUNSELING (15 lectures)
1.1 Defining counseling
1.2 The counselor
1.3 The counseling process
1.4 Ethical principles in counselling
1.5 Core conditions of counselling

UNIT 2 BUILDING THE COUNSELING RELATIONSHIP (15 lectures)
2.1 The initial interview
2.2 Client qualities and resistance
2.3 Inviting communication and facilitating disclosure
2.4 Importance of feedback
2.5 Counselor skills for in-depth exploration

UNIT 3 COMMITMENT TO ACTION AND TERMINATION (15 lectures)
3.1 Assessment and diagnosis
3.2 Identification of goals
3.3 Designing and implementing action plans
3.4 Transference and countertransference
3.5 The process of Termination

List of Recommended Reference Books

Book for study:

Books for reference: