

Semester 1(Major)

H1: Basic Psychological Processes

Unit 1: Introduction

- Psychology as a basic science- Definition, distinction from other sciences
- Fields and scope of psychology
- Methods-observation, experiment, survey and questionnaire.
- System and trends in psychology: Structural, Functional, Psycho dynamic, Behaviouristic and Gestalt school.

Unit 2: Sensory Processes and Psycho physics

- Sensation-its nature and definition. Attributes of sensation.
- Sensory threshold: Range of sensitivity, Absolute limen, Differential limen.
- Psychophysical methods: Method of average error, Method of limit, Method of constant stimuli.
- Weber-Fechner Law and Signal Direction Theory: there practical application.

Unit 3: Perceptual Processes

- Nature and definition characteristics and determinants of perception.
- Perception of form, space, and movement.
- Perceptual organization. It's principles. Perceptual disorganization-types and causes.
- Determinants of attention and role of attention in perception.

Unit 4: Remembering and forgetting

- Nature and definition of memory.
- Information Processing Model and Atkinson-Shiffrin model of memory.
- Forgetting: Decay, Interferences-Retroactive and proactive inhibitions, Retrieval failure, Motivational forgetting, Amnesia
- Strategies for improving memory.

H2: Biological Bases of Behaviour

Unit I: Physiology and Behaviour:

- Concept and importance
- Structure and function of Neuron and synapse
- Neurotransmitters: Basic concepts.
- Endocrine glands (different types of endocrine glands and functions),
- Physiological correlates of emotion.

Unit II: Nervous System:

- Central Nervous system- structure and function.
- Peripheral nervous system- structure and function.
- Autonomic nervous system - structure and function.

Practical:

1. Determination of R.L by gradation method.
2. Determination of R.L by constant stimuli method.
3. Estimation of error in temporal perception.

Program

113. Statistics: Measures of Psychological Research

Unit I:

- Concept and Calculation of Combined Mean.
- Measurement of Variability: Range, AD, QD, SD & Combined SD.
- Measurement of percentile and percentile rank.
- Normal probability curve : properties and application (Theoretical Concept)
- Concept and measurement of skewness and kurtosis.

Unit II:

- Inferential statistics: concept and steps involved in drawing an inference.
- Population and sample, sampling distribution.
- Theoretical Concept of Standard error of mean for both large and small sample.
- Type I & Type II error of inference.
- Nature and assumptions of parametric and non- parametric statistics and their uses, basic concept on hypothesis and degrees of freedom.

Practical:

- Computation of t test (for large, small, equal and unequal sample)
- Computation of chi-square
- Computation of correlation- Product moment and Rank Order Correlation

4th semester

H4 Developmental Psychology

Full Marks: 100

Theory: 60

Practical: 40

Unit-I

- Developmental Psychology: Scope & Methods
- Role of Genetic and Environmental factors in development
- Prenatal development
- Physical , Cognitive (including Piaget's theory), Moral (including Kohlberg's theory), Social, Emotional, Personality development from birth to late childhood
- Hazards of development
- Role of family, peer and school in different stages of development

Unit-II

- Adolescence: Characteristics, needs, problems and management
- Mentally Challenged: Classification, causes, characteristics, education & rehabilitation
- Gifted children: Characteristics, problems & education
- Delinquency: Causes and Prevention

Practical

- To find out the social maturity of the subject by Vineland social maturity scale
- To measure the intellectual functioning by Standard Progressive Matrices
- To measure the Emotional quotient by any suitable test

5th Semester
H5: Educational Psychology

Full Marks: 100

Theory: 60

Practical: 40

Unit I:

- Educational Psychology-Definition, Nature, Scope & Methods.
- Learning-Definition, Factors, Implications, Learning Curve, relation with memorization.
- Classical & Operant Conditioning, Information processing approach to learning, Observational learning theory (Bandura).

Unit II:

- Transfer of training: Nature, theories and educational implications.
- Intelligence: Nature, kind, theories of intelligence (Multifactor theory by Thurstone, Structure of Intellect Model by Guilford), Measurement of Intelligence.
- Assessment of individuals: Achievement, Aptitude, Interest.
- Educational Guidance & Counselling.

Practical

- Measurement of numerical and verbal reasoning by Differential Aptitude Test.
- Demonstrate the phenomenon of transfer of training.
- Determination of effect of retroactive and proactive inhibition on memorization.

5th Semester

H6: Psychology and Social Issues

Full Marks: 100

Theory: 60

Practical: 40

Unit I :

- Social Psychology: Nature, Scope and methods.
- Social Attitude: Formation, change and measurement.
- Prejudice and Stereotype: Concept, formation, Factors, eradication, Gender Discrimination

Unit II:

- Group Psychology: Definition, structure, function. Group Dynamics: Nature, Historical Change
- Leadership: Definition, functions, Types, training.
- Public opinion and Propaganda.

Practical:

- Measurement of ethnic Prejudice by using social distance scale.
- Measurement of attitude toward social problem related to women
- Measurement of sociometry level of individuals using the method of sociogram.

TDPH Semester VI
Subject: Psychology (Theory)
Paper: H7
Abnormal and Industrial Psychology

Marks: 100 (80+ 20)

Abnormal Psychology

Unit-I

- Abnormal Psychology – Historical overview; modern concept of abnormal psychology, nature, Scope, methods. Determinants (biological, psychological, sociocultural) of abnormal behaviour. Concept of normality and abnormality
- Anxiety disorder- Generalized anxiety disorder, Phobia, Obsessive-compulsive disorder
- Conversion disorder and dissociative disorder

Unit-II

- Schizophrenia- types, etiology, symptoms and treatment
- Delusional disorder- etiology, symptoms and treatment.
- Mood disorder- major depressive episode, dysthymic disorder. Bipolar affective disorder-symptoms, etiology, treatment
- Concept of Psychotherapy and brief outline of its kinds. Implication of Psychotherapy

Industrial Psychology

Unit III

- Industrial Psychology: Objectives ,Importance, Nature, Scope, Methods
- Organisational environment: Physical, Psychological and their influence on work and output
- Communication: importance, kinds, Barriers, Steps of effective communication
- Stress: causes; effects and managements

Unit IV

- Basis of Personnel Selection: Basis of personnel selection; Job analysis: Importance , objectives, Methods; Uses of psychological test in selection practices
- Engineering Psychology: Definition and importance; accident: causes and preventions
- Job satisfaction: Meaning ,factors
- Consumer Psychology: Definition of Consumer Behaviour, Personality Factors of Consumers; Advertisement: Definition, Psychological appeal of advertisement.

TDPH Semester VI

Paper: H8

Marks: 100 (80+ 20)

1. Measurement of Anxiety by using Spielberger State- Trait anxiety Inventory
2. Measurement of Depression by using Beck Depression Inventory
3. Measurement of Personality by using any suitable test
4. Measurement of Organizational stress by using Organisational Role Stress Scale by Pareek
5. Measurement of Job satisfaction by using any suitable test
6. Study of Mental fatigue using any suitable test