

# SYLLABUS FOR I YEAR PRE-UNIVERSITY

## PSYCHOLOGY [ 32] –( 2013 )

### **I Chapter**

#### **Introduction to Psychology**

Meaning and definition ó understanding Mental process and behavior ó Psychology is Social and Natural Science - some important milestones in the evolution of Modern Psychology - Development of Psychology in India ó Fields of Psychology ó Psychology and other disciplines ó Psychologists in different professional fields ó Psychology in everyday life

**16 hours**

### **II Chapter**

#### **Methods of study in Psychology**

Objective observation - Introspection ó Survey method ó Case Study method - Experimental method - Merits and Demerits of each method.

**8 hours**

### **III Chapter**

#### **Biological Bases of Behaviour**

Part-1. Heredity and Environment

Meaning and Definition of Heredity -Cell ó Chromosomes and Genes  
 Cell Division - Mitosis ó Meiosis, Gamete formation ó male and female,  
 Fertilization - Sex determinants  
 prenatal stages ó Germinal ó Embryonic ó Foetal,  
 Dominant and Recessive Genes - mutation  
 Siblings - The multiple births - Siamese  
 Chromosomal abnormalities ó Down syndrome ó Cleft Palate - Lobster's  
 Claw - Polydactyl - Cloning  
 Environment ó Internal/Prenatal ó External/Postnatal ó Social and Physical  
 ó School ó Peer group, Relative importance of Heredity and Environment

## Part – 2

Neuron ó Structure and function ó Reflex Arc ó Nervous system ó Central Nervous System ó Brain ó Structure and function ó parts Spinal cord ó function Peripheral Nervous system ó Division ó Sympathetic and Para sympathetic Functions  
Glands ó Exocrine ó Tear ó Sweat and Endocrine ó Pituitary ó Thyroid ó Parathyroid ó Thymus ó Pancreas ó Adrenal ó Gonads.

**18 Hours**

## IV Chapter Human Development

Meaning of Development - Life Span perspective on Development - Growth ó Development ó Maturation Evolution ó Factors influencing Development ó Context  
Overview of developmental stages ó prenatal ó Infancy ó childhood ó challenges of Adolescence ó Adulthood ó old age

**10 Hours**

## V Chapter Sensation, Attention and Perception

Introducing Sense organs -Sensation ó Definition ó characteristics  
Attention ó Meaning ó Definition ó Factors or determinants ó objective and subjective ó kinds of Attention ó Phenomenon ó Division ó Distraction ó Fluctuation - span  
perception - Meaning ó definition ó Determinants ó principles of Grouping and organization  
Errors in perception ó Illusion ó Muller Lyer - Horizontal - Vertical, Phi- Phenomenon ó Hallucination.

**12 Hours**

## **VI Chapter Learning**

Meaning ó Definition ó Methods ó Trial and Error - Insight - Classical conditioning ó Operant conditioning - Imitation  
Transfer of Learning  
Factors facilitating learning ó Positive ó Reward, Praise Negative ó Punishment, Blame ó Motivation  
Learning Disabilities ó Dyslexia ó Dysgraphia ó Dysphonia ó Dyscalculia  
**10 Hours**

## **VII Chapter Memory**

Meaning and nature ó stages ó Information processing approach ó Memory types ó Sensory ó Short term ó Long term,  
Forgetting ó Meaning and definition ó kinds ó Normal and Abnormal ó Causes of forgetting Decay ó interference - Proactive and Retroactive Inhibition, Alzheimer's, Decay - time lapse ó Psychological causes ó Shocks, Accident Abnormal causes ó Amnesia, drugs, alcohol and toxic effects  
**10 Hours**

## **VIII Chapter Thinking**

Nature ó Building blocks of thought ó Mental image concept ó processes ó problem solving ó Reasoning ó Decision making ó Creative thinking ó Nature and process ó Developing Creating Thinking - Strategies  
Barriers to Creative Thinking ó lateral thinking.  
**10 Hours**

## **IX Chapter**

### **Motivation and Emotion**

Nature of Motivation ó Types of motives ó Biological ó Hunger, Thirst, Sex ó Psycho ó Social motives ó Achievement, Affiliation, self-actualization, Maslow's theory of sequential development of wants  
Emotion ó Nature ó Types of Emotions ó Pleasant ólove ó affection ó Joy ó empathy ó sympathy ó unpleasant - Fear, Anger, Anxiety, Jealousy  
changes during emotion ó physical, Physiological and Psychological  
expression of Emotion ó Managing negative Emotions.

**14 Hours**

## EXPERIMENTS

1. Directed observation
2. Division of Attention
3. Fluctuation of Attention
4. Massed vs Spaced method of learning
5. Meaning and Retention
6. Emotion and Free Association

**12 Hours**

Total Theory	- 108 hrs
Practicals	- 12 hrs
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Total	- 120 hrs
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