

# **Syllabus for Ph.D. Theory Course Work – II**

## **PSYCHOLOGY**

### **1. Sensory and Perceptual Processes.**

- 1.1 Sensory System: Vision & Audition
- 1.2 Human Nervous system: Structure & Functions.
- 1.3 Perceptual approaches Gestalt and physiological Approaches
- 1.4 Perceptual organization Gestalt Figure & ground and law's of perceptual organization.
- 1.5 Perceptual constancy – size, shape, and brightness, Illusion.

### **2. Learning and memory**

- 2.1 Classical conditioning
- 2.2 Instrumental conditioning.
- 2.3 Reinforcement – Basic Variables and schedules.
- 2.4 Verbal learning – Methods and materials.
- 2.5 Memory processes – ESR, model, STM & LTM, Episodic and semantic memory, Forgetting.

### **3. Problem solving & Creativity**

- 3.1 Nature & Definition.
- 3.2 Concept formation, Rules & Strategies
- 3.3 Reasoning – Deductive & Inductive.
- 3.4 Nature & stages of creativity.
- 3.5 Creativity and Intelligence.

### **4. Motivation and Emotion**

- 4.1 Basic motivational concept: Instincts, needs, drives & motivational cycle.
- 4.2 Types of motives: - Biological, Social, General motives.
- 4.3 Emotion: - Theories of Emotions James- Lange, Canon -Bard Sahachter & Singer.
- 4.4 Physiological and psychological change in emotion.
- 4.5 Conflicts – Sources & Types, how to solve the motivational conflicts.

### **5. Human Abilities**

- 5.1 Intelligence: Nature & History
- 5.2 Theories of Intelligence – Spearman, Thrustone, Guilford.

5.3 Intelligence & Individual Differences – Causes & Types of Mentally Retarded, Gifted.

5.4 Measurement of Intelligence – verbal & Performance test.

## **6. Personality**

6.1 Nature & Definition of Personality.

6.2 Personality Approaches Type & Trait.

6.3 Theories of personalities – Sigmund Freud, Roger & Bandura.

6.4 Personality assessment – interview, Questionnaire, projective Technique.

## **7. Research Methodology.**

7.1 Research problems hypothesis and variable.

7.2 Types of psychological Research – Scientific & Empirical

7.3 Methods of Psychological Research – Experimental, Quasi-experimental, Case studies, Field studies.

7.4 Methods of data collection Observation, Interview, Questionnaire, Test & Scales.

## **8. Psychological Testing.**

8.1 Nature & Definition.

8.2 Test standardization – Reliability, Validity & Norms.

8.3 Types of the psychological test- personality, Ability, Educational Aptitude.

8.4 Uses of psychological test.

## **9. Sampling Techniques.**

9.1 Name & Definition.

9.2 Simple random sampling.

9.3 Systematic sampling.

9.4 Stratified & random sampling.

## **10. Style of writing research**

10.1 What is research?

10.2 Steps of research proposal

10.3 Advantages of computer, Internet & Websites in research.

10.4 APA style of research.

## **Books for reference**

- Buck Ross (1988) "Human Motivation & Emotion"  
2<sup>nd</sup> Edition, John Wiley & Sons, Inc.
- Carlson Nell R (1990) "Psychology" The Science of Behavior  
5<sup>th</sup> Edition, Allyn & Bacon
- Goleman D, & "Consciousness: Brain, states of Awareness &  
Mysticism"  
Davidson R J (1979) Harper & Row, New York
- Khandwalla P N "Fourth Eye" Excellence through Creativity"  
2<sup>nd</sup> Edition, Wheeler Publishing Allahabad.
- Kimble D P (1988) "Biological Psychology"  
Holt Rinehart & Winston Inc. New York
- Matlin Margaret W (1995) "Cognition"  
Prism Books Pvt. Ltd., Bangalore, India
- Mischel Walter (1991) "Introduction to Personality"  
2<sup>nd</sup> Edition, Holt Rinehart & Wiston
- Kerlinger, Fred N "Foundation of Behavioural Research"  
2<sup>nd</sup> Edition, New York, Holt Rinehart & Winston,  
1973
- Guilford J P "Psychometric Methods"  
New York, Mcgraw Hill, Inc, 1954
- Kothari C R "Research Methodology" Methods & Techniques  
2<sup>nd</sup> Revised Edition, New Age International (p) Ltd.  
New Delhi