

**RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER**  
**SYLLABUS FOR COMPETITIVE EXAMINATION FOR THE POST OF**  
**LECTURER IN PSYCHOLOGY FOR COLLEGE EDUCATION**  
**DEPARTMENT**  
**PAPER - I**

**Unit - I**

**Biological Bases of Behaviour & Perceptual processes :**

Genes and Behaviour : Chromosomes

Receptors, Effectors and Adjuster Mechanisms .

Neural Impulse : Origin, Conduction and Measurement.

Human Nervous System : Perefpheral Nervous System (PNS), Central Nervous System (CNS), Neurotransmitters.

Sensory Systems and Psychophysics : Vision and Audition, Major concepts of Psychophysics, Classical and Modern.

Perception: Gestalt and Physiological Approaches

Perceptual Organization: Gestalt, Figure and Ground, Laws of Organization, Attentional Process.

Perceptual Constancy : Size, Shape and Brightness, Illusion, Perception of Depth and Movements. Figural After Effect, Perceptual Defense, Cognitive Styles (Field Dependence and Independence) .

**Unit - II**

**Learning and Memory Processes:**

Classical Conditioning : Procedure, Phenomena and related issues.

Instrumental Learning : Phenomena, Paradigm and Theoretical issues.

Reinforcement : Basic Variables and Schedules.

Verbal Learning : Methods and Materials. Organizational process, Transfer of Learning.

Cognitive Learning: Nature and Types.

Memory Processes : Encoding, Storage, Retrieval.

Stages of Memory: Sensory Memory, Short-term Memory (STM) and Long-term Memory (LTM)

Episodic, Semantic and Procedural Memory.

Theories of Forgetting: Interference, Decay and Retrieval.

**Unit - III**

**Motivation, Emotion and Thinking :**

Basic Motivational Concepts : Instincts, Needs, Drives, Incentives, Motivational Cycle, Intrinsic & Extrinsic Motivation, Flow, Frustration of Motives.

Motivation : Psychoanalytical, Ethological, S-R, Cognitive, Humanistic Approaches.

Biological and Social Motives.

Physiological Correlates of Emotions, Positive Emotions.

Theories of Emotions: James-Lange, Canon-Bard, Schachter and Singer.

Conflicts : Sources and Types.

Thinking: Nature and Types.

Concept Formation : Types and Theories..

Reasoning : Deductive and Inductive.

Problem-Solving : Type and Strategies.

Creativity: Nature and Types, Divergent Thinking.

## **Unit - IV**

### **Human Abilities and Personality:**

Intelligence : Biological, Social, Eco-cultural Determinants.

Theories of Intelligence : Spearman, Thurston, Guilford, Cattell, Sternberg, Jenson, Gardener.

Measurement of Intelligence.

Personality : Biological and Socio-cultural Determinants, Psychoanalytic, Neo-Freudian, Social Learning, Trait and Type, Cognitive Approaches.

Personality Assessment : Psychometric and Projective Tests.

Self-concept : Origin and Development.

## **Unit - V**

### **Research Methodology and Psychological Testing:**

Research problem, hypothesis, variables and their operationalization. Types of psychological Research: Qualitative and Quantitative.

Methods & Research Design : Experimental, Quasi-experimental, Case Studies, Field Studies and Cross-Cultural Studies, Expost Facto, Factorial .

Methods of Data Collection : Observation, Interview, Questionnaire, Tests and Scales.

Parametric and Non-parametric tests.

Test Construction: Item Writing, Item Analysis.

Test Standardization: Reliability, Validity and Norms

Types of Tests: Intelligence, Aptitude, Personality, Attitude and Interest.

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Note :- **Pattern of Question Paper**

- 1. Objective type paper**
- 2. Maximum Marks : 75**
- 3. Number of Questions : 150**
- 4. Duration of Paper : Three Hours**
- 5. All questions carry equal marks.**
- 6. There will be Negative Marking.**