



SYLLABUS FOR SCREENING TEST FOR THE POST OF ASSISTANT PROFESSOR

Subject : PSYCHOLOGY

Note: There shall be 100 questions with multiple Choices carrying 100 marks to be completed in 3 hrs duration.

1. Perceptual Process:

Approaches to the Study of Perception : Gestalt and physiological approaches
Perceptual Organization : Gestalt, Figure and Ground, Laws of Organization
Perceptual Constancy : Size, Shape and Brightness, Illusion; Perception of Depth and Movements.

Role of motivation and learning in perception

2. Learning Process

Classical conditioning : Phenomena, Paradigms and theoretical issues

Reinforcement : Basic variables and schedules

Verbal learning : Methods and materials, organizational processes

3. Memory and forgetting

Memory processes: Encoding, Storage, Retrieval

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

Episodic and Semantic memory

Theories of Forgetting : Interference, decay, retrieval

4. Thinking and Problem Solving

Theories of thought processes : Associationism, Gestalt, Information processing

Concept formation : Rules and strategies

Reasoning : Deductive and inductive

Problem-solving : Type and strategies

Role of concepts in thinking

5. Motivation and Emotion

Basic motivational concepts : Instincts, needs, drives, incentives, motivational cycle

Approaches to the study of motivation : Psychoanalytical, ethological, S-R
Cognitive, humanistic

Biological Motives : Hunger, thirst, sleep and sex

Social Motives : Achievement, affiliation, approval

Exploratory behavior and curiosity

Physiological correlates of emotions

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

Conflicts : Sources and types

6. Human Abilities

Intelligence : Biological, Social, Eco-cultural determinants

Theories of intelligence : Spearman, Thurston, Guilford

Individual and group differences : Extent and causes

Measurement of human abilities

7. Personality

Determinants of personality : Biological and socio-cultural

Approaches to the study of personality : Psychoanalytic, neo-freudian, social learning, trait and type, cognitive

Personality assessment : Psychometric and projective tests

Self-concept : Origin and development

8. Research Methodology

Research problems, hypothesis, variables and their operationalization

Types of psychological research

Methods of psychological research : Experimental, Quasi-experimental, case studies, field studies and cross-cultural studies.

Methods of data collection : Observation, interview, questionnaire, tests and scales.

non-parametric tests

9. Measurement and testing

Test construction : Item writing, item analysis

Test standardization : Reliability, validity and norms

Types of tests : Intelligence, aptitude, personality-characteristics and important examples

Attitude scales and interest inventories

Educational measurement and evaluation

10. Biological Basis of Behaviour

Receptors, effectors and adjuster mechanisms

Neural impulse : Origin, conduction and measurement

Sensory system : Vision and Audition

Human nervous system : Structure and functions