

JSPM UNIVERSITY PUNE



Subject Concerned Syllabus

Psychology

Chapter 1: SENSATION, ATTENTION AND PERCEPTION

- 1. Sensation Introduction to psychophysics: Basic concepts and methods.
- 2. Attention:
- (a) Functions of attention: Divided attention, selective attention
- (b) Theories of attention process
- (c) Signal Detection Theory and vigilance.
- 3. Perception-approaches: Gestalt, Bottom-Up (feature analysis, template matching, prototypes), Top-Down and Pandemonium
- 4. Perception: Cross-cultural studies

Chapter 2: PROBLEM SOLVING, CREATIVITY AND DECISION MAKING

- 1. Problem: Definition, problem solving cycle, types, obstacles and aids
- Problem solving approaches Algorithm; heuristics: means-end analysis, computer simulation, and analogy
- 3. Meaning and measurement of creativity
- 4. Reasoning and decision-making: Types of reasoning Syllogistic and Conditional
- 5. Factors influencing decision-making.

Chapter 3: RELIABILITY

- 1. Correlation coefficient: Meaning, statistical significance, reliability coefficient
- 2. Definition and types of reliability
- 3. Reliability of speeded tests
- 4. Dependence of reliability on the sample tested
- 5. Using reliability information

Chapter 4: VALIDITY

- 1. Validity: Definition and evolving concepts
- 2. Content-description validation procedures
- 3. Criterion-prediction procedures
- 4. Construct-identification procedures
- 5. Test validity and decision theory

Chapter 5: TYPES OF MEMORY

- 1. Sensory memory- Iconic and echoic
- 2. Short Term Memory

- 3. Long Term Memory: Types
- 4. Determinants of memory
- 5. Memory improvement techniques

Chapter 6: NEUROLOGICAL BASIS OF LEARNING AND MEMORY

- 1. Brain areas associated with learning and memory
- 2. Types of Amnesia- Amnesia after concussion (Anterograde, Retrograde), Korsakoff, Alzheimer's disease
- 3. Role of brain in learning and conditioning
- 4. Synaptic mechanisms and synaptic plasticity of learning and memory
- 5. Application: Neuro-linguistic programming.

Chapter 7: INTRODUCTION TO PERSONALITY

- 1. Nature and meaning of personality
- 2. Approaches to the study of personality: Idiographic, Nomothetic, and Person-situation interaction
- 3. Applications of personality: Clinical, industrial, and educational areas.
- 4. Personality Assessment: MMPI, NEO-FFI, Projective techniques.

Chapter 8: APPROACHES OF PERSONALITY

- Psychodynamic approaches: Psychoanalysis, ego and object relations—Carl Jung, Adler, Horney, Erick Form and Henz
- 2. Trait and biological approaches: Allport, Cattell, Eysenck, Costa & McCrae
- 3. Phenomenological Approaches: Carl Rogers, Maslow
- 4. Behavioral approaches: Dollard & Miller, Skinner, Rotter
- 5. Social Cognitive-Affective Approaches: Bandura, George Kelly,
- 6. Existential approaches: Victor Frank, Rollo May's theory

Chapter 9: FOUNDATION AND THEORIES OF MOTIVATION

- 1. The Nature, concept and component of motivation
- 2. Approaches of motivation: Physiological, socio-cultural, cognitive, ethical and developmental- interactionistic
- 3. Theories of motivation: Murray, Maslow, McClelland, and Atkinson
- 4. Theories of aggression: Lorenz, Bandura and Walter's theory
- 5. Mechanism of hunger and thirst, sleep and sex, social attachment

Chapter 10: FOUNDATION AND THEORIES OF EMOTION

- 1. Nature and concept of emotion
- 2. Emotions and culture

- 3. Biological bases of emotion: Autonomic nervous system, endocrine system, immune system, psycho-physiological measures
- 4. Theories of motivation: James-Lange, Cannon-Bard, Schachter and Singer, Frizda, Papez& McLean's theory of emotion, Broaden & Build theory of positive emotion
- 5. Self-esteem, optimism and emotional intelligence

Chapter 11: PSYCHOLOGICAL TESTING APPLICATIONS

- Educational applications: SPM, WAIS, Binet-Kamath test, Malin's intelligence scale, DAT, GATB
- Clinical applications: MMPI, California Psychological Inventory, 16 PF, NEO-PIR, EPQ-R,Mooney's Problem Checklist, Projective tests
- 3. Industrial applications: MBTI, FIRO-B, Role plays & situational tests, Inbascket Exercise
- 4. Counseling applications: STAI, STAXI, FES
- 5. Neuropsychological testing: Bender-Gestalt, NAB