

# **PSYCHOLOGY**

## **PAPER I**

1. Psychology as a science. Origin of experimental psychology (Wundt and James). Methods of Psychology, Pure and applied aspects of Psychology.)
2. Nervous system, Neurone and nerve impulses, Central and autonomic nervous system, Endocrine system.
3. Sensory Processes - Visual sense, Auditory sense, Other Senses.
4. Perceptual process, Perceptual constancies, Organization and perception, Colour and form perception, Depth and movement perception, Role of experience in perception.
5. States of consciousness, Varieties of waking States, Sleeping and dreaming, Hypnotic and drug induced States.
6. Conditioning and learning, Classical conditioning, Operate conditioning, Principles of reinforcement, Phenomena of extinction, discrimination and generalisation.
7. Multiple response learning, Cognitive learning, Learning by modelling.
8. Verbal learning and memory, Input term memory, Long term memory, Forgetting.
9. Nature of motivation, Basic motives and their correlates, Hunger, thirst and sex, psychological changes in emotion.  
Theories of emotion (James-Lange, Cannon-Bard)
10. Thinking and problem solving, Cannon formation, Language and thinking, Set as a factor in problem solving.
11. Frustration, Reactions to frustration, Defence mechanisms. Defence mechanisms and adjustment.
12. Nature of attitudes, Development of attitudes. Attitude changes. Measurement of attitude.

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## **PAPER II**

1. Basic concepts of psychophysics, Absolute and differential thresholds, Psychophysical methods of limit, constant stimuli, average error, equal appearing interval and paired comparison. Weber - Fchner law.
2. Nature of human intelligence, Individual and group difference in intelligence, Tests of intelligence and aptitudes identification of creativity.
3. Meaning of personality, Type and trait approaches, Personality assessment.
4. Theories of personality, Murray, Freud, Lewin and Rogers.
5. Growth and development through childhood and adolescence. Physical growth and motor development. Mental growth and development.
6. Behaviour disorders. Psychoneuroses. Psychoses. Psychosomatic and personality disorders, Psychotherapy and mental hygiene.
7. Clinical psychology, Psychoanalytic, client - centered group and behaviour therapies.
8. Social perception, Nature of person perception, Social interaction. Power processes and structures. Norms and conformity.
9. Psychology in industry. Work environment. Industrial fatigue. Personnel selection. Organization Climate. Organizational Leadership. Job analysis and job evaluation.
10. Schools of psychology - Behaviourism. Psychoanalysis and Gestalt psychology.
11. Basic scales of measurement. Steps in test construction and standardisation. Item construction and analysis. Reliability, validity and norms.
12. Elementary statistics Frequency distribution and graphic representation. Measures of central tendency, measures of variability. Cumulative distributions and percentiles, Normal Probability curve.