

M.A. /M.Sc. –I: PSYCHOLOGY

Paper I: Psychology of Learning

- 1- Conditioning: Classical and Instrumental Conditioning, Concepts and procedures, reinforcement and response strength; sensitization, pseudo-conditioning; procedures and theoretical distinction between classical and instrumental conditioning.
- 2- Theories of learning: Hull, Tolman and Kohler.
- 3- Reinforcement: Concept, types, Patterns, basic variables and Theoretical issues.
- 4- Extinction: Nature, basic variables, Response produced inhibition, competition, Acquired, compounding and differentiation, Generalization and discrimination learning
- 5- Avoidance; Learning and punishment; Learned helplessness, Role of punishment in learning.
- 6- Verbal Learning; Methods and material used in verbal Learning, problems & results, learning strategies.

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Paper II: Psychometric Methods: Measurement

- 1- Measurement: Nature of Psychological Measurement, basic assumption of test theory-obtained scores and error components.
- 2- Measurements of attitudes and interests: Scaling Techniques.
- 3- Basic statistics: Special correlations, bi-serial correlation and point bi-serial correlation, partial and multiple, procedures and applications, factor analysis.
- 4- Regression & Prediction, analysis of variance, covariance, multiple analysis of variance.

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Paper III: Psychological Research

1. Nature of research, the scientific approach, conceptualization of Psychological research situation, S.O.R., Problems in Psychological research.
2. Variables: Types, operation and control of variables; Problem; techniques.
3. Sampling: Universe and sample, Types of sample drawing techniques.
4. Methods of data collection: Observation, interview and interview schedules, objective tests and scales, socio-metry and semantic differential.
5. Types of Research: Experimental Research- laboratory experiments, field experiments, and quasi experimental research; Non Experimental Research- survey, field studies and ex-post facto research.

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Paper IV: Psychology of Social Process

1. Social Psychology: Nature Levels of analysis and theoretical approaches-biological, cognition, learning, psychoanalytic, and role approach, status of psychology in India.
2. Person perception: Observer's role, personal evaluation in ongoing interaction, role of nonverbal cues in perception, impression management.
3. Attribution: Meaning, definition and characteristics and theories-Heider's Naïve Psychology attribution theory, Jones and Davis Correspondent Interface theory, Kelly's Covarition attribution theory's and Shaver's Attribution theory.
4. Social influence: Meaning and determinants, behaving contrary to attitudes and bases of social influence.
5. Persuasive communication: Communicator message, target person, determinants of persuasion, effective communication, resistance to persuasion.
6. Interpersonal attraction: Dyadic attraction, determinants of interpersonal attraction, theories: balance, reinforcement, equity, and exchange.

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Paper V: Practical

A student is required to conduct 4 practical selecting one from each paper, the guidance of the instructor without which a student will not be permitted to appear examination.

1. Binary Prediction as a function of Reinforcement Schedules.
2. Serial Position Curve.
3. Coding in Memory.
4. Clustering
5. Use of Interview/ Observation method.
6. Use of Semantic Differential Method
7. Sample selection by three Differential Method.
8. Affect Structure of a group.
9. Effect of Group Discussion in Judgement.
10. Social Maturity.

M.A. /M.Sc. –II: PSYCHOLOGY

Paper I: Cognitive Processes – Memory

1. Memory and forgetting: Basic Concepts, Interference theory, Cue dependent forgetting theory.
2. Sensory Memory: Iconic Memory and Echoic Memory; Procedure and properties.
3. Short Term Memory: The concept of encoding, Edetic imagery and Visual Imagery, Storage, Working Memory and Nature of Forgetting.
4. Long Term Memory: Episodic and Semantic Memory; structure and Distinctions.
5. Models Term Memory: Atkimson and Shiffrin Model, Tulving's Model, Parallel Distributed Processing Model.

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Paper II: Psychometric Method: Testing

1. Test construction: Steps involved in test construction, Item Analysis, Standardization and Norms.
2. Reliability of steps: Nature, Methods and types of reliability, effects of test length and group heterogeneity on Reliability.
3. Validity of tests: Nature and types of validity, validity criteria, Relationship between reliability and validity, cross validation.
4. Psychological tests: Characteristics, classification and applications of test, speed verses power tests.
5. Test of general Mental ability, Stanford Binet test, Wechsler Adult Intelligence scale, Achievement and aptitude tests, differential testing of abilities, creativity.

M.A. /M.Sc. –II: PSYCHOLOGY

Paper III: Research Design and Statistical Methods

1. Research Design: Meaning purpose and principles.
2. Experimental Designs: Between group, within group, and mixed designs. Between Group- randomized two group designs, more than two group designs, factorial designs (two and three factors). Within Group- One group two conditions, more than two conditions design. Mixed designs- two matched group design, randomized block design, factorial design with repeated measures on one factor.
3. Quasi Experimental Design: One group design, non equivalent comparison group design, time series design.
4. Parametric Statistics: basic assumptions, 't' test, multiple comparisons among means- Newman Keuls test, ANOVA (one way and two way).
5. Nonparametric Statistics: sign test, chi-square test, Wilcoxon rank sum test, Mann Whitney 'U' test, Kruskal Wallis 'H' test.

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Paper IV: Psychology of Social Behaviour and Problem

1. Altruism and pro-social behaviour: Meaning and determinants, theories-socio-biology, reinforcement, social exchange and social norm, increasing altruism and pro-social behaviour.
2. Aggression: Meaning and determinants, theories- instinct, frustration- aggression, and social learning, methods of preventing and reducing aggression.
3. Current social problems: Poverty, population growth and crowding- causing and controlling strategies.
4. Social roles: Nature of social system, social norms and social roles, social roles and social interaction, role strain-personality and culture.

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Paper V: Practical

A student is required to conduct 4 practical selecting one from each paper, the guidance of the instructor without which a student will not be permitted to appear examination.

1. Learning and Retention of All Digit, Pre-fixed, and Mnemonic telephone Numbers.
2. STM as a function of Retention Interval
3. Retroactive Inhibition (Paired Association)
4. Recall of Completed and Uncompleted Tasks.
5. Construction a test up to Item Analysis.
6. Differential Aptitude test
7. WAIS
8. Cross Validation of a Test
9. Measurement of Altruistic Behaviour
10. Social Loafing
11. Cooperation and Competition
12. Individualism-Collectivism
13. Planning of an Experimental Design
14. Social support

M.A. /M.Sc. –III: PSYCHOLOGY

Paper I: Cognitive Processes Perception

1. The problem of perception, theoretical status and some biases.
2. Basis Psychophysics, Basic sensitivity of perceptual system, Differential sensitivity of perceptual system.
3. Quantification of perceptual magnitude and stimulus information: Fechner's law, Steven's law.
4. Theory and measurement of psychophysical discrimination: Phi-gamma hypothesis, Neutral quantum theory, Signal detection theory.
5. Stability of perceptual experience: Brightness and size constancies; Measurement and theories. Stability-instability paradox.
6. Perception of form: Figure formation, inhibiting figure formation, temporal development of a figure, backward masking.
7. Perception of space, time and motion. Non-veridical perception.
8. Cognitive and motivational influences, novelty and complexity, perceptual development.

M.A. /M.Sc. –III: PSYCHOLOGY

Paper II: Psychodiagnostic

1. Clinical psychology: Meaning, historical background and current status.
2. Diagnosis: Meaning, functions and types.
3. Clinical assessment: Case study, mental status examination, intake, crisis and diagnostic interviewing, Testing Intelligence (WAIS) and Personality (MMPI).
4. Projective tests- TAT, Rorschach, ink blot test, Neuropsychological tests- Bender Gestalt test, LLNB: Descriptive reports.
5. Professional ethics.

M.A. /M.Sc. –III: PSYCHOLOGY

Paper III (a): Guidance Psychology

1. Guidance: Concept and its nature, functions, guidance need of youths.
2. Groundwork of guidance: Objective and principles of guidance, types of guidance-educational, vocational and personal, role of parents in education and vocational guidance, organization of guidance services, follow-up-study.
3. Appraisal of individual: Testing-ability, aptitude, personality and interest.
4. Guidance programme: Techniques used in vocational, educational, individual and group guidance.

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Paper III (b): Behaviour Modification –I

1. Introduction: Emergency of behaviour modification- Learning theory, foundation of behaviour modification- merits and limitations of behavioural approach.
2. Behavioural analysis: Enhancing client's involvement Behavioural counselling.
3. Relaxation techniques: Jacobson's Progressive Muscular Relaxation- Autogenetic training- Yoga, Meditation etc.
4. Systematic Desensitisation: Basic Principles- construction of hierarchy- scene presentation, theory of desensitization.
5. Assertiveness Training: Components of assertive behaviour; methods of assertiveness training- implementation assertive procedure.

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Paper IV (a): Industrial Psychology

1. Industrial Psychology: Nature, Development and Scope; Problems of Indian Industrial Psychology.
2. Personnel selection: Job analysis- methods and uses; Basic selection model; Techniques of selection: Application Blank, interview, psychological test.
3. Job satisfaction: Meaning, Measurement and determinants; Job satisfaction and Job behaviour.
4. Group Moral: Criteria, determinants and methods of increasing morale.
5. Work Stress: Meaning, Source and Consequences, Stress Management Strategies.
6. Accident and safety: Causes, accident proneness and prevention of accident.

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Paper IV (b): Physiological Psychology

1. Introduction: Meaning, scope, history of physiological psychology.
2. Nervous system; Neurons; Synapses; Synaptic transmission, Central and peripheral nervous system.
3. Regulatory mechanism: hunger, thirst, obesity, sleep and wakefulness, sexual behaviour, endocrine glands.
4. Biochemical bases of learning and memory: biochemical changes during learning and retention, neuro-physiology of learning and memory.
5. Internal environment: carbohydrates, metabolism, enzymes, hormones, homeostasis.
6. Physiological bases of motivation and emotion; basic effects of FSB, Physiological bases of positive reinforcement, physiological mechanism of emotion.

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Paper V: Project Practical

Students may opt for a project or practicals.

Project Work:

A student securing above 60% marks may be permitted to opt for project work under the supervision of a faculty member.

Practical:

A student is required to conduct four practicals selecting one from each paper.

Paper I: Cognitive Processes: Perception

1. Set in Perception
2. Figural After Effect
3. Field Dependent/ Field Independent.

Paper II: Psychodiagnostics

1. Assessment of personality by T.A.T.
2. Measuring personality through JMPI.
3. Assessment of cognitive style
4. Assessment of personality Rorschach. Inkblot Test.

Paper III: Guidance Psychology

1. Assessment of Aptitude: electrical or Numerical.
2. Measurement of Interest: Vocational or Educational.
3. Assessment of Personality through Eysenck Personality Questions.

Paper IV: Industrial Psychology

1. Assessment of Leadership Style
2. Assessment of Industrial Morale
3. Assessment of Mental Fatigue

M.A. /M.Sc. –IV: PSYCHOLOGY

Paper I: Cognitive Processes: Thinking

1. Thinking: Nature, Types; Role of language, set, trial and error, and images in thinking; Central and peripheral theories.
2. Problem Solving; Nature; Determinants; Strategies; Obstacles in problem solving; Theories: Behaviouristic, Gestalt, Information Processing.
3. Creative Thinking: Nature; Stages; Determinants, Artificial intelligence.
4. Concept Formation: Nature of concepts, Conceptual rules; Methods of concept attainment; Conceptual Process; Determinants.
5. Attainment of ill defined concepts (natural categories); Prototype theory; Basic level categories.
6. Reasoning: Deductive reasoning: categorical syllogism, three time series problems. Hypothesis testing; Decision Process; Strategies in decision making: algorithms, heuristics, and rational model.

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Paper II: Psychotherapeutic Techniques

- 1- Definition, Scope, Objectives of psychotherapy, Client- therapist relationship.
- 2- Psychodynamics: Freudian psychoanalysis.
- 3- Behaviour therapy: Systematic desensitization, aversion therapy, modelling.
- 4- Cognitive behaviour therapy: Rational emotional therapy.
- 5- Humanistic Existential therapy: Client centered therapy, Gestalt therapy.
- 6- Group therapy: Goals, Types.
- 7- Drug therapy: Historical developments, Types: anti-manic drugs, mood stabilizers.

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Paper III (a): Counselling Psychology

1. Counselling: Meaning, nature and scope, aims and expectations of counselling.
Characteristics of counsellors and counsellor's role and functions.
2. Approaches to counselling: Affect oriented approaches-psychoanalytic, person centered and existential, Cognition oriented approaches- behavioural approach.
3. Areas of counselling: Emotional, vocational, familial, marital, drug addiction and gerontological, descriptive case study.
4. Professional training and preparation: Ethical standards, selection and training of guidance workers and counsellors.

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Paper III (b): Behaviour Modification-II

1. Operant Conditioning Techniques: Basic Paradigm- Schedules of reinforcement- token economy- shaping-changing-Premack's principle.
2. Cognitive behaviour Modification: Meichenbaum's self instruction training- Beck's model- Rational emotive therapy of Ellis.
3. Clinical application of behaviour therapy: In anxiety disorders, psychoactive substance use disorder- sexual disorder- Psychotic disorder- Personality disorder- childhood disorder- Biofeedback principles and clinical applications.
4. Educational Guidance: Programmed learning- guidance in elementary school and secondary school- guidance towards life goals.

M.A. /M.Sc. –IV: PSYCHOLOGY

Paper IV (a): Organizational Psychology

1. Nature of organizational behaviour: Models and approaches to organizational behaviour, organizational behaviour and management.
2. Organizational structure: Definition, types, key structure variables, informal organization, and implications.
3. Management: Management by objectives (MBO), participative management, OB Mod, work redesign, job enlargement, job enrichment and work schedule.
4. Work motivation: Major theories (Maslow, Adlurfer, Herzberg, Vroom and Adams).
5. Leadership: Meaning and Theories- Trait, behavioural and contingency theories- Fiedler and Leader Participation Theory.
6. Organizational change development: Change process and characteristics, approaches- Lewin's model, action research, organizational development, values and interventions.
7. Organizational climate and culture characteristics, typologies, determinants, creating, sustaining and transmission.

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Paper IV (b): Health Psychology

1. Health Psychology: Nature, Scope and its interdisciplinary and socio-cultural contexts. Psychosomatics; Behavioural medicine; Health sociology and Medical Anthropology, Gender and health.
2. Health Promotion and Diseases Prevention: Development of healthy habit and/or reduction of unhealthy behaviour; Management of drug and alcohol abuse and smoking.
3. Stress, Personality and Social support as Psycho-social Linkage of Ill health. Cardio-vascular Disorders, AIDS, Diabetes, Cancer
4. Promoting and Maintaining Health: Biological, Socio-Cultural, Psychological, Economic and, spiritually- oriented Interventions.

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Paper V: Practical

A student is required to conduct 4 practical selecting one from each paper, under the guidance of the instructor without which a student will not be permitted to appear in the examination.

Practical:

Paper I: Cognitive Processes: Thinking

1. Problem Solving (Anagram solution)
2. Measurement of creativity
3. Reasoning Ability
4. Concept Learning

Paper II: Psychotherapeutic Techniques

1. Rational Emotive Therapy
2. Family Functioning
3. Assertiveness
4. Systematic Desensitization
5. Relaxation Technique (Jacobson)

Paper III (a): Counselling Psychological

1. Marital Adjustment
2. Stress Management
3. Coping Strategies
4. Measurement of Stress

Paper IV (a): Organizational Psychology

1. Organizational Climate
2. Job-involvement
3. Job-satisfaction
4. Burn out

Paper IV (b): Health Psychology

1. General Health
2. Aids awareness
3. Aversion Therapy

Paper III (b): Behaviour Modification

1. Biofeedback
2. Jacobson's Relaxation Techniques
3. Assertive Techniques
4. Rational Emotive Therapy of Ellis

Paper IV (b): Physiological Psychology

1. Emotionally Measures
2. E.E.G.
3. Discrimination Learning
4. Neuro Physiological Test.