

UNIVERSITY OF RAJASTHAN,
JAIPUR


M.A./M.SC./M.COM

(PSYCHOLOGY)
Annual Scheme

2013-2014 (PREVIOUS)-~~III SEMESTER~~

2014-2015 (FINAL)- III/IV SEMESTER

Prepared by

 15/9/2013

Checked by


24/9

Psychology 2013-2016-A (Annual)

Syllabus : M.A./M.Sc. Psychology • 3

SCHEME OF EXAMINATION

(Annual Scheme)

Each Theory Paper	3 Hrs. Duration	100 Marks
Dissertation/Thesis/ Survey Report/Field Work, if any.		100 Marks

1. The number of papers and the maximum marks for each paper/practical shall be shown in the syllabus for the subject concerned. It will be necessary for a candidate to pass in the theory part as well as in practical part (wherever prescribed) of a subject/paper separately.

2. A candidate for a pass at each of the Previous and the Final Examinations shall be required to obtain :

- Atleast 36% marks in the aggregate of all the papers prescribed for the examination, and
- Atleast 36% marks in practical(s) wherever prescribed at the examination, provided that if a candidate fails to secure atleast 25% marks in each individual paper at the examination and also in the dissertation/survey report/field work, wherever prescribed, he shall be deemed to have failed at the examination notwithstanding his having obtained the minimum percentage of marks required in the aggregate for that examination. No division will be awarded at the Previous and the Final Examination. Division shall be awarded at the end of the Final Examination on the combined marks obtained at the Previous and the Final Examinations taken together, as noted below :

First Division	60%	} of the aggregate marks taken together of the Previous and the Final Examination.
Second Division	48%	

All the rest will be declared to have passed the examination.

If a candidate clears any Paper(s) Practical(s)/Dissertation prescribed at the Previous and/or Final Examination after a continuous period of three years, then for the purpose of working

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M.A./M.Sc. PSYCHOLOGY

M.A./M.Sc. Previous:

In the M.A./M.Sc. Previous, there shall be 4 compulsory theory papers and one practical paper carrying 100 marks each.

Paper I : Systems and Theories of Psychology.

Paper II : ~~Experimental~~ Psychology

Paper III : Physiological Psychology

Paper IV : Statistics and Research Methods

Paper V : Practicals/ Experiments.

M.A./M.Sc. Final:

In the M.A./M.Sc. Final, there shall be two compulsory papers and four optional groups consisting of two theory papers and one practical/ testing paper carrying 100 marks each.

COMPULSORY PAPERS (TWO):

Paper I : Applications of Psychology.

Paper II : Social Psychology

OPTIONAL PAPERS (TWO) :

The Students are required to opt for any one group:

Group-'A' : CLINICAL

Paper III : Fundamentals of Clinical Psychology

Paper IV : Personality

OR

Thesis

Paper V : Practical/ Testing

Group-'B' : VOCATIONAL

Paper III : Guidance and counselling

Paper IV : Vocational Psychology

OR

Thesis

Paper V : Practical/ Testing

Group-'C' : INDUSTRIAL

Paper III : Industrial Psychology

Paper IV : Organizational Psychology

OR

Thesis

Paper V : Practical/ Testing

Group-'D' : ENVIRONMENTAL

M.A./ M.Sc. Previous (Old Scheme)
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Paper-I: Systems and Theories of Psychology

Section-A

1. Psychological Foundations:
 - (i) Pre-scientific Psychology from eighteen to middle nineteenth century.
 - (ii) Foundations of scientific Psychology- Wundt, Helmholtz, Weber, Fechner, Galton, Binet, William James, Ebbinghaus.

2. Structuralism and Functionalism:
 - (i) Tichener
 - (ii) Chicago Functionalism, J.M. Cattell, Woodworth

3. Freudian Psychoanalysis
 - (i) Individual and Analytic Psychology
 - (ii) Neo-Freudians: Horney, Fromm, Sullivan

Section-B

4. Behaviourism:
 - (i) Watson, Hebb, Lashley
 - (ii) Pavlov

5. Neo-Behaviourism:
 - (i) Guthrie
 - (ii) Hull
 - (iii) Skinner
 - (iv) Tolman

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6. Gestalt Psychology:

- (i) Wertheimer, Kohler, Koffka
- (ii) Gestalt views on perception, learning and thinking.

Section-C

7. Field Theory:

- (i) Mathematical concepts, logical constructs
- (ii) Drive, personality, group dynamics

8. Hormic, Holistic and Personalytic psychologies

- (i) McDougall, Goldstein
- (ii) Spranger, Stern, Allport

9. Humanistic Psychology

- (i) Maslow
- (ii) Roger's self theory, Existential theory.

Books Recommended:

- B.B. Wolman: Contemporary theories and systems of Psychology, Harper and Bors, N.Y., 1960.
- R.S. Woodworth and Shehon, M.R.: Contemporary Schools of Psychology Roand Press, N.Y., 1974
- Duane Schultz: A History of Modern Psychology, Academic Press, N.Y. 1975
- E. Heidbreder: Seven Psychologies, Appleton Century Crofts,, 1933.
- R. Hunter and Ida Macalpine: Three Hundred Years of Psychology Oxford Univ. Press, 1970
- J. Fadiman and R. Frager: Personality and Personal Growth, Harper and Row, N.Y., 1976.

Paper-II: Cognitive Psychology

1. Cognition: Concept, Domains and interdisciplinary perspective. Research methods in Cognition.

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2. Cognitive Development- Theoretical Perspectives: Piaget and Vygotsky. Neurocognitive Development: Early Neural Development, Environment and lateralization studies. Higher order Cognition in Children.
3. Consciousness – Definition, Functions and Theories: Schachter's DICE Model and Baar's Global Workspace Theory. Consciousness as a Scientific Construct.
4. Perception and Attention: Perpetual Span, Iconic and Echoic Storage, Function of Sensory Stores. Attention: Processing capacity and selective attention. Models of selective attention: Filter and Attenuation Model.
5. Pattern Recognition: Visual Pattern Recognition: Gestalt Theory, Canonic Perspectives, Bottom-up versus Top-down Processing, Template Matching, Feature Analysis, Prototype Matching.
6. Memory: STM and LTM. Models of Memory: Waugh and Norman, Atkinson and Shiffirin, Level of Recall, Level of Processing, Self-Reference Effect, Episodic and Semantic Memory, PDF Model.
7. Language: Structure- Phonemes, Morphemes and Syntax; Chomsky's Theory of Grammar, Psycholinguistic Aspects, Lexical Decision Task, Word Recognition.
8. Concept Formation, Logic and Decision Making.
9. Problem Solving, Creativity and Human Intelligence

Books Recommended:

- Reigler, G.R. and Reigler, B.R. (2008). Cognitive psychology. New Delhi: Pearson education.

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- Solso, R.L. (2004). Cognitive psychology. New Delhi: Pearson education.
- Srinivasan, N. Kar, B.R. and Panday J. (2010). Advances in cognitive sciences. New Delhi; Sage.
- Sternberg, R.J. (2007). Cognitive psychology. New Delhi. Cengage learning.

Paper-III: Physiological Psychology

Section-A

1. Physiological basis of behaviour- Central nervous system, Peripheral nervous system.
2. Brain:
 - (i) Structure and functions over the life span.
 - (ii) Evolution of the brain, Mal-development of the brain and behaviour impairment.
 - (iii) Aging and brain
3. Information processing and Nervous system:
 - (i) Information processing by neural circuits.
 - (ii) Mechanisms of excitation and inhibition
 - (iii) Synaptic potential, brain potentials and information processing

Section-B

4. Control of behaviour and motivation, Homeostatic mechanisms, eating and drinking.
5. Emotion: Brain mechanisms and Emotion.
6. Neural mechanisms of Learning and Memory.

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Section-C

7. Physiological and Neurobiological aspects of Sleep and Waking.
8. Hormones and Behaviour: Effects of hormones on Learning and Memory.
9. Brain impairment and language disorders.

Books Recommended:

- C.F. Leventhal: Introduction to Physiological Psychology, Prentice Hall, N.J., 1983.
- M.R. Rosenzweig and A.R. Leiman: Physiological Psy., D.C. Health and Co. Laxinton, 1982
- C.T. Morgan: Physiological Psy, McGraw Hill, Kogakusha, Tokyo, 1965
- M. Schartz: Physiological Psy, Prentice Hall, N.J., 1978
- S.P. Grossman: A Textbook of Physiological Psy., Wiley, New York, 1967.
- R.F. Thompson, Introd. to Physiological Psy., Harper and Row, New York, 1980
- बनारसी दास त्रिपाठी एवं अनुपम नाथ त्रिपाठी: आधुनिक दैहिक मनोविज्ञान, वैशाली प्रकाशन बखशीपुर, गोरखपुर, 1989.

Paper-IV: Statistics and Research Methodology

Section-A

1. Cumulative distribution, graphic methods and percentiles.
The normal distribution: the nature of the normal curve, measuring divergence from normality, applications of the normal probability curve.
2. Correlation: Product moment correlation, biserial, point biserial, partial correlation and multiple correlation, Regression and prediction analysis.

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3. Significance of the mean, the difference between means and other statistics- mean, standard deviation, percentage and correlation coefficient. Testing experimental hypothesis- the Chi-square test.

Section-B

4. Analysis of variance: One way and Two way, general uses and limitations of analysis of variance.
5. Difference between Parametric and Non-parametric Tests: The Sign test, the Wilcoxon matched pairs sign – ranks test; the Median test; The Mann-Whitney U test; The Kendall coefficient of concordance; the Friedman two way analysis of variance by ranks.
6. The language and approach of Science: Science and the scientific approach, problem and hypothesis, constructs, variables and definitions.

Section-C

7. Designs of research:
Research design: Meaning, purposes and principles, research design and applications; randomized groups and correlated groups design.
8. Types of research:
Ex-Post Facto research, Laboratory experiment, Field experiments, Field studies, Survey research.
9. Methods of data collection:
Interview schedules. The Semantic differential methodology, Sociometry.

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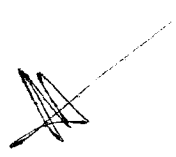
10. Sampling and Randomness, interpretations of research data and research, the research report.

Books Recommended:

- Garrett, H.E.: Statistics in Physiology and Education, Mumbai, Vakil Feffer and Simous Pvt. Ltd.
- Guilford: J.P.: Fundamental Statistics in Psychology and Education, New York, McGraw Hill (Assian Students' Edition)
- Siegel, S.: Nonparametric Statistics for the Behavioural Sciences, New York, McGraw Hill (International Students' Edition)
- Kerlinger, F.N. : Foundations of Behavioural Research, IInd Edition, Holt Rinehart and Winston. Inc., New York. 1973.
- Edward, A.L.: Experimental Design in Physiological Research Third Edition, Amerind Publishing Co. Ltd., Delhi, 1971.
- Mohsin, S.M.: Research Methods in Behavioural Sciences, Orient Longman Ltd.

Paper-V: Practicals/ Experiments

1. Incidental V/s Intentional Learning
2. Problem solving
3. Spiral Effect
4. Signal Detection
5. Verbal Learning- Intraserial
6. Knee jerk conditioning
7. Set in Thinking
8. S.T.M.
9. G.S.R.

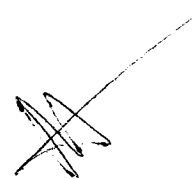


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10. Depth perception
11. Zeigarnik Effect
12. Effect of knowledge of Results of performance
13. Psycho-physical Experiments on RL and DL
14. Semantic Differential
15. Need Hierarchy by Ranking Method
16. Spread of Effect
17. Critical Flicker Fusion
18. Figural After Effect

Books Recommended:

- Woodworth, R.S. and Schlosberg, H.: Experimental Psychology, Revised edition, Oxford and IBH Publishing Co., Kolkata, 1975.
- Postman, L. and Egan, J.P.: Experimental Psychology: An Introduction, Indian Reprint, Kalyani Publishers, Ludhiana, 1949.
- Langfield, H.S. (Ed.): Handbook of Experimental Psychology, Wiley, 1951
- Munn, N.L.: A Laboratory Manual in General Experimental Psychology, Houghton Col, Boston, 1948
- Garrett, H.E.: Great Experiments in Psychology, New York, Appleton Century Crofts.
- Spatz, C.: Laboratory Manual for Experimental Psychology, Appleton Century, N.Y. 1970
- Kerlinger, E.N.: Foundations of Behavioural Research, Second Edition, Holt Rinehart and Winston, Inc., New York, 1973.

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M.A./ M.Sc. Final (Old Scheme)
Compulsory Papers (Two)

Paper-I: Applications of Psychology

Section-A

1. Introduction: The trends towards applications. Meeting society's needs. Making Psychology relevant.
2. Research methods used in applied settings: Designing research, Multiple variable designs. Correlational designs. Single case and small N designs. Process analysis. Critical incident techniques. Analysis of results.
3. Psychology and Education: Role of psychologists in school system. Measurement and evaluation. Educational technology, Behaviour modifications in the class room.

Section-B

4. Psychology of Counselling and Career development: Types of counselling. Uses of psychological tests in counselling. Evaluating the effectiveness of counselling occupation as a way of life. Classifications of occupations, career decisions and development.
5. Psychology in Industrial settings and Business; Role of industrial and organizational psychologists. Job activities, Work settings. Personnel Psychology. Organizational development, Engineering Psychology, Types of design decisions.

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6. Consumer Psychology: Nature and Functions, Consumer inputs. Information reception. Memory systems. Consumer decision-making. Personal factors.

Section-C

7. Psychology in Community settings: Clinical Psychology- Clinical Practice, Appraisal and interventional procedures, Community psychology- Principles and methods of community intervention, Crisis intervention, Consultation and mental health education, Health psychology- Psychology in medical practices, Psychology in Health research and behaviour medicine.
8. Environmental psychology: Nature of environmental psychology, Effect of environmental conditions on behaviour, Human factors in environmental design.
9. Psychology and Law: Psychology and judicial process, Psychological factors in antisocial behaviour, Role of psychologists in criminal justice system, Policy formation and development of laws.

Books Recommended:

- Gregory, W.L. and Burroughs, W.J.: Introduction to Applied Psychology, Illinois Scott, Foresman and Co.
- Anastasi, Anne.: Fields of Applied Psychology, International student edition (2nd ed.), Tokyo, McGraw Hill, Kotakusha, 1979.
- Korchin, S.J.: Modern Clinical Psychology, Basic Box Inc. Publishers, New York 1976.
- रस्तोगी घनश्याम दास: आधुनिक व्यवहारिक मनोविज्ञान, हरप्रसाद भार्गव, आगरा, 1992.

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Paper-II: Social Psychology

1. Theoretical Orientation of social psychology, social psychology as a science, application of social psychology, methods of social psychology.
2. Aspects of Social Identity-self perception, self concept, self esteem, functions of self, self and gender, gender identity.
3. Socialization- agents of socialization, process and outcome of socialization.
4. Person Perception - meaning, attribution process, importance of non-verbal communication, non-verbal leakages, judgment of deception
5. Attitudes and Prejudices-meaning and theories of attitude change, origin of prejudices, cognitive basis of prejudice, techniques to control prejudice
6. Social influence - conformity, nature and characteristics of conformity, counter conformity and independence, factors effecting conformity, theories of conformity, compliance - meaning and nature of compliance, principles of compliance. Obedience - basis of obedience, experimental studies of obedience.
7. Aggression and Social Violence - theoretical approaches to aggression, meaning, sources and behaviours related to aggression, aggression management

8. Inter Group Conflict – development and persistence of intergroup conflict, impact of inter group conflict, resolution of intergroup conflict
9. Personal Relationship – family interaction and close relationship, romantic relationship, love and physical intimacy, marital relationship, interdependence, self disclosure, intimacy, the balance of power and conflict, the darker side of relationship and aging

Books Recommended:

- Robert A Baron, Donna Byrne Social Psychology 11th edition Pearson education
- Shelly E. Taylor, Letia, Annepeplace. David, O Sears Social Psychology 12th edition Pearson education.
- Mohammed Suleiman Uchatar Samaj Manovigyan, Delhi, Motilal Banarsi Das
- Arun Kumar Singh Samaj Manovigyan Ki Rooprekha, Delhi, Motilal Banarsi Das
- Delamater Myers Social Psychology Thompson edition

Optional Papers (Two)

GROUP-A: CLINICAL

Paper-III: Fundamentals of Clinical Psychology

Section-A

1. Nature and problems of clinical psychology: Brief history of clinical psychology. The current status of clinical psychology. Role of clinical Psychologist, Professional

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- ethics, Training responsibilities of clinical psychologists,
Future of clinical psychology.
2. Nature of mental health: Concepts of normality and pathology, Scott criteria, Idealistic conception of mental health, Models of mental health intervention.
 3. Clinical assessment: Nature and purpose- Informal assessment and the clinical relationship, Formal assessment- Interview, Case history, Psychological testing: General principles and tests in clinical use.

Section-B

4. Psychotherapies: Definitions of Psychotherapy, its differences from counselling, supportive, re-educative and re-constructive psychotherapies.
5. Client-centred psycho therapy, Logotherapy, Cognitive therapy, Gestalt Psychotherapy.
6. Psycho-analytic Psychotherapy, Hypnotherapy, Psychodrama, Group Psychotherapy and Transactional Analysis.

Section-C

7. Behaviour therapy and behaviour modification: Definition, The origins of behaviour therapy, Comparison of traditional psychotherapy and behaviour therapy, The assumptions of behaviour therapy.
8. Systematic desensitization, variants of systematic desensitization, Flooding and Implosive therapy.
9. Contingency management, Token economy, Aversion therapy, Modeling and Self-control method.

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Books Recommended:

- Korchin, S.J.: Modern Clinical 'Psychology Tokyo, Harper International Edition, 1976.
- Wolman: Handbook of Clinical Psychology, New York, McGraw Hill, 1965
- Kendall and Norton-ford: Modern Clinical Psychology, New York, Wiley, 1980.
- Kaplan H.I. and Sadock, B.J.: Comprehensive Text Book of Psychiatry (5th Ed.) Baltmors, Williams and Wilkins.
- ~~Welberg, L.R.: Techniques of Psychotherapy, 1989 (4th ed.) Vol.I and II, New York, Grune and Stratton 1988.~~
- ~~Wolpe, J. and Lazarus A.: Behaviour Therapy Techniques, New York, Perganon Press, 1958.~~
- Rimm, D.C. and Masters, J.S.: Behaviour Therapy, New York, Academic Press, 1979.
- Wolpe, J.: The Practice of Behaviour Therapy, New York, 1969
- Patterson, C.H.: Theories of Counselling and Psychotherapy, New York, Harper and Row, 1989.

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Paper-IV: Personality**Section-A**

1. Nature of Personality, Basic Issues of Personality: The Individual Versus Individual Differences, Heredity Versus Environment, Abnormal Vs. Normal Personality, The Unconscious, The Self, Uniqueness, Gender, Situations, Culture, Self Concept, Self Identity and Self Esteem.
2. Psycho-social and Cultural Determinants of Personality.
3. Stress, Adjustment and Health Differences, Cultural and Ethnic Differences, Gender Differences in Personality from Eight Perspectives.

Section-B

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4. **Personality Assessment:** Observational method, interview, self report tests, rating scales, Q sort technique, semantic differential technique.
5. **Personality Inventories:** MMPI, 16 PF, EPQ, Jenkin's Type-A and Type-B.
6. **Projective Techniques:** Rorschach Test, TAT, SCT, WAT and other projective measures.

Section-C

7. **Psycho Analytic Theory:** Freud, Jung, Personality Theories by Adler, Horney, Fromm and Sullivan.
8. **Humanistic Theories:** Rogers, Maslow, S.R. Theories: Dollard and Miller, Bandura's Reinforcement Theory.
9. **Trait and Type Theories:** Allport, Cattell, Eysenck, and McCrae and Costa.

Books Recommended:

- Hall and Lindzey: Theories of Personality, John Wiley, New York (the latest edition).
- Friedman, H.S. and Schustack, M.W.: Personality (2006), Pearson Education.
- Anastasi, A., *Psychological Measurement and Assessment*.
- The matter of Section-B may be taken from the manuals available.

OR

THESIS

Paper-V: Practical/ Testing

1. Differential Aptitude Test
2. Study of consumer Behaviour
3. Educational Aspirations



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4. Study of Home Environment
5. Social Perception
6. Leadership
7. Attribution style
8. Picture Frustration Test
9. Assessment of Mental Health
10. MMPI
11. Crisis Intervention
12. Modifying Maladaptive Behaviour through any Behaviour Modification Technique
13. Rorschach Test
14. TAT
15. EPI
16. 16 PF

GROUP-B: VOCATIONAL

Paper-III: Guidance and Counselling

Section-A

1. Meaning and definition of guidance, aims and importance of guidance, basic principles of guidance, types of guidance, group guidance.
2. Psychological bases of guidance: Intelligence, aptitude, interest, personality.
3. Organization of guidance services, follow up services in guidance, evaluation of guidance services.



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Section-B

4. Guidance services in schools: Importance, scope and problems, educational and vocational guidance.
5. Techniques of collecting information about the individual for guidance and counselling.
6. Sources of occupational information.

Section-C

7. Approaches and techniques of counselling, expectancy and goals of counselling.
8. Characteristics of the counselee and counselor.
9. Counselling content, process and behavioural counselling.

Books Recommended:

- Paterson: Theories of Counselling and Psychotherapy, (Harper 1989)
- Frusten, J.M.: Psychological counselling in India, Mumbai: McMillon.
- Bordin. E.S.: Psychological Counselling, IInd Edition, McGraw Hill, 1968.
- Ospiow, S.M. and Walshow: Behaviour Change in Counselling Readings.
- Adams. J.F.: Problems in Counselling.
- Jones. A.J.: Principle of Guidance, Sixth ed., McGraw Hill, New York, 1970
- Mayers, G.E.: Principles and Techniques of Vocational Guidance, McGraw Hill, New York.
- Humphereys, H.A. and Traxler Q.E.: Guidance Services, Science Research Associates, Chicago, 1954.
- Rao S.N.: Counselling Psychology, Tata McGraw Hill, New Delhi, 1992
- Pesricha: Guidance and Counselling in Indian Education, New Delhi, N.C.E.R.T., 1976

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Paper-IV: Vocational Psychology

Section-A

1. Historical antecedents of vocational psychology.
2. Psychoanalytic concept of career choice. Personality and career.
3. Social system and career choice. Choice satisfaction and performance of work roles.

Section-B

4. Definition of vocational choice, measures of vocational choice, individual differences in vocational choice.
5. Problems in vocational choice: Indecision in vocational choices, unrealism in vocational choice, vocational choice as a developmental process, stages in development of vocational choice.
6. Vocational adjustment: Vocational adjustment in relation to general adjustment.

Section-C

7. Ginzber's theory and its limitations. Elements or adequate theory of vocational development propounded by Super, Super's theory.
8. Holland's vocational choice theory, Roe's theory: Early determinants of vocational choice.
9. Vocational Development: Staffers' ten propositions in search of a theory, Delarley and Hagannah's theory.

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Books Recommended:

- Brites, J.D.: Vocational Psychology: A study of Vocational Behaviour and Development, McGraw Hiss Book Co., New York, 1968.
- Gsipow: Theories of Career Development N.Y. Appleton Century, 1968
- Hopson, B. and Hayes J.: The Theory and Practice of Vocational Guidance.
- Vroora, Y.H.: Work and Motivation, New Delhi, E. Willey Eastern Ltd., 1978.

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Paper-V: Practical/ Testing

Section-A

1. Differential Aptitude Test
2. Study of Consumer Behaviour
3. Educational Aspirations
4. Study of Home Environment
5. Social Perception
6. Leadership
7. Attribution Style
8. Picture Frustration Test

Section-B

9. Interview Schedule
10. Study Habit Testing
11. Clerical Aptitude Testing

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12. Scientific Aptitude Test
13. Work Motivation Test
14. Job Involvement Test
15. Job Satisfaction Test
16. Work Aptitude Test.

GROUP-C: INDUSTRIAL

Paper-III: Industrial Psychology

Section-A

1. The role of psychologist in industry, The field of occupational psychology: Study of behaviour in work situation and applications of psychological principles to problems of selection, placement, counselling and training.
2. Design of work environment:
 - (1) Human engineering and physical environment techniques of job analysis
 - (2) Social environment-Group dynamics in Industry
3. Personnel psychology: Selection, training, placement, promotion, counselling, job motivation.

Section-B

4. Special study of problem of fatigue, boredom and accidents.
5. Consumer behaviour, study of consumer preferences, effects of advertising
6. Industrial morale.
7. The nature and scope of engineering psychology, its application to industry.



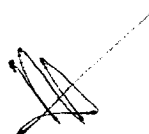
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Section-C

8. Efficiency at work: The concept of efficiency, the work curve, its characteristics.
 - (a) The work methods; hours of work, nature of work, fatigue and boredom, rest pauses
 - (b) The personal factors; age abilities, interest, job-satisfaction.
 - (c) The working environment: noise, illumination, atmospheric conditions.
9. Increasing efficiency at work; Improving the work methods:
 - (a) Time and motion study, its contribution and failure, resistance to time and motion studies, need for allowance in time and motion study.
 - (b) Work and equipment design: Criteria in evaluation of job-related factors, job design, human factors, Engineering information, Input processes, mediation processes, action processes, methods, design, work space and arrangement, human factors in job design.
10. Accident and safety: The human and economic costs of accidents, accident record and statistics, the causes of accidents, situational and individual factors related to accident reduction.

Books Recommended:

- Tiffin J. and McCormic E.J.: Industrial Psychology, (Prentice Hall), 6th Edn., 1975.



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- McCormick E.J.: Human Factors Engineering and Design (McGraw Hill), 4th Edn., 1976.
- Mair, N.R.F.: Principles of Human Relations
- Glimer: Industrial Psychology
- Ghiselli and Brown: Personnel and Industrial Psychology.
- Dunnette, M.D.: Handbook of Industrial and Organizational Psychology.
- Blum and Taylor: Industrial Psychology.

Paper-IV: Organizational Psychology

Section-A

1. Introduction: Roots of organizational psychology, The Multidisciplinary approach, Theories: Classical, neoclassical and modern, theory X, theory Y, theory Z.
2. Organizational structure: Horizontal and vertical systems approach, groups, types, job design.
3. Communication in organizations: Process, models, networks, interpersonal, intergroup and intergroup communications, effective communication management, informal communication.

Section-B

4. Decision making process: Types, characteristics, organizational decision making system, Techniques for improving decision making, Behavioural implications.
5. Leadership: researches: Classical and modern, Power and authority, supervision and participating management; effective leader behaviour.
6. Organizational culture and climate: Concept, Measurement, Practical applications of the concept.
7. Work motivation and performance: Need theories, Models of work motivation, Managerial motivation.

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Section-C

8. Organization development: Organizational change processes, approaches and techniques, Transactional analysis.
9. Organizational conflict: Conflict and its measurement, Organizational analysis, diagnostic approaches, consultant's role, resolution strategies.
10. Organizational stress: Stressors, reactions to stress, stress management.

Books Recommended:

- Robbins: Organizational Behaviour.
- Schein, Edgar H.: Organizational Psychology, Prentice Hall of India, N.D., 1990
- Luthansm F.: Organizational Behaviour, N.Y. McGraw Hill, 1987.
- Pareek, U. and Rao, T.V.: Behavioural Process in Organizations, N.D., and Oxford, 1981


OR
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Paper-V: Practical/ Testing

Section-A

1. Differential Aptitude Test
2. Study of Consumer Behaviour
3. Educational Aspirations

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4. Home Environment
5. Social Perception
6. Leadership
7. Attribution Style
8. Picture Frustration Test

Section-B

9. Study of Fatigue
10. Work Motivation Test
11. Job Satisfaction Test
12. Study of Employee Morale
13. Organizational Climate
14. Study of Needs (n-ach, n-power, n-aff), through TAT
15. Measurement of Occupational Stress
16. Interpersonal Trust Scale

GROUP-D: ENVIRONMENTAL

Paper-III: Ecological Psychology

Section-A

1. Introduction: Issues of ecological psychology, Models of men-environment relations.
2. Ecological factors and ethological observations. The problems in comparing effects of environmental changes in different age levels.
3. Cognitive development: Spatial representations, architectural design and behaviour protection of environment.

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Section-B

4. Child development and environment: Changes in response to crowding and congestion, environment fit for developing child, thinking of child in additional environment.
5. Home environment: Mother and infant communication system, Effect of socio-economic conditions of family
6. Adverse social environment: Its effect on early child development, causes of psychiatric disorders due to ecological factors.

Section-C

7. The ecological perspectives in cross-cultural psychology, Relevance of cross-cultural psychology in ecological perspectives.
8. Personal space and territoriality: situational and individual determinants of personal space. Consequences of the size and space, Consequences of invasion of space.
9. Environmental stress: Effect of technology, noise; pollution, crowding in urban ecology.

Books Recommended:

- McGurk, Harry (Ed.): Ecological Factors in Human Development, North Holland Publishing Company, Amsterdam, Oxford, 1978.
- Krasner, L. (Ed.): Environmental Design and Human Behaviour, Pergamon, Human Press, N.Y., 1980.
- Evans, G.W.: Environmental Stress, Cambridge Press, 1982.
- Fisher, J.D. et al: Environmental Psychology, N.Y., W.B. Saunders Co., 1978.
- Faul, A. et al : Environmental Psychology, N.Y., W.B. Saunders Co. 1978.

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Paper-IV: Population Psychology

Section-A

1. Introduction: Nature and scope of population Psychology, concern for population explosion, Models of population explosion.
2. Impact of population growth, Role of social and behavioural scientists in population control, Hindrances in population control.
3. Effects of population density, Ethological and psychological view points.

Section-B

4. Psychology of deprivation: Effects on health, food supply, employment, housing, migration, urban stress.
5. Indicators of fertility- Cultural, Psychological, economic and geographical factors.
6. Indicators of morality: Life expectancy, factors of morality.

Section-C

7. Population planning: Inbreeding imbalances, Ecological factors in promoting population control, Family planning and population control, Motivation to birth control and education for population control.

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8. Population Growth and Quality of Life: Notions of Q.O.L., Correlates of Q.O.L., Productivity and Q.O.L. effects of population growth on Q.O.L.
9. Community health system: Determinants of community health and societal well-being, community health in industrial, rural and urban settings, Influence of social support systems on well being, methods to enhance psychological well-being.

Books Recommended:

- Reid, S.I. and Lyon, D.L.: Population Crisis: Interdisciplinary Perspective, Illinois, Scott. Foreman, 1972
- Agarwal, N.: India's Population Problems (3rd ed.), New Delhi: Tata McGraw Hill, 1985
- Rao, T.V. : "Psychology of Population and Family Planning," in Udai Pareek's (Ed) 'Survey of Research in Psychology', Vol, 2, Mumbai; Popular Parkashan, 1981.

OR
THYSIS

Paper-V: Practical/ Testing

Section-A

1. Differential Aptitude Test
2. Study of Consumer Behaviour
3. Educational Aspirations
4. Home Environment
5. Social Perception
6. Leadership

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7. Attribution style
8. Picture Frustration Test

Section-B

9. Child Cognition Study
10. Parent Child Relation
11. Effects of crowding
12. Noise Sensitivity Scale
13. Attitudes toward Family Planning
14. Emotional Problems Following Family Planning Methods
15. Assessment of Life Satisfaction
16. Modernization Attitude Scale.



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