

M. A. – I SEMESTER (PSYCHOLOGY)

The curriculum frame – work is as under.

COMPULSORY PAPERS

PAPER	NAME	MARKS		Credits		
		Theory	Internal Assessment	Theory	Practical	Total
I	Basic Psychological processes – I	80	20	4		4
II	Social Psychology	80	20	4		4
III	Basic Research Methodology	80	20	4		4
IV	Psychopathology	80	20	4		4
V	Practicum : Experiments.	100			4	4
	Total Marks	420	80	16	4	20

NOTE: Internal Assessment will be done on the basis of Class Testing/Seminar/Tutorials.

PAPER – I
BASIC PSYCHOLOGICAL PROCESSES – I

M.M. - 80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

Unit – I. Psychophysics and Perception

- Signal detection theory, subliminal perception and related factors, information processing approach to perception, culture and perception, perceptual styles. Ecological perspective on perception.

Unit 2. Perceptual Processes

- 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.

Unit 3. Attention: Concept, Theories, and determinants

Unit 4 . Motivation

- 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 behaviour and curiosity

Unit 5 . Motivation and Emotion

- Physiological correlates of emotions.
- Theories of emotions : James – Lange, Canon – Bard, Schachter and Singer.
- Conflicts : Sources and types.

BOOK RECOMMENDED :

1. *Snodgrass, J. Gray. Et. Al (1985) Human experimental psychology, New York : Oxford University Press.*
2. *Galott, K. M. (1999) Cognitive psychology in and outside laboratory, Mumbai : Thompson Asia.*
3. *D. Amato M.R. (1970) Experimental Psychology, New York, Mc. Graw Hill.*
4. *Sen Anima : Attention & Distraction New Delhi.*
5. *S. Stevens, (1959) Handbook of Experimental Psychology, A Wiley Publication in Psychology.*

PAPER – II
SOCIAL PSYCHOLOGY

M.M. - 80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

- UNIT – I** Current trends in Social Psychology. Historical Background: Growth of social psychology, Methods of social psychology. Theoretical perspective: Cognitive dissonance, Social comparison, Attribution, Field Psychoanalytic, Symbolic interactions, Socio-biology.
- UNIT – II** Social cognition. Person perception, impression management. Role of Stereotypes in person Perception types of influence process.
- UNIT – III** Social Influence Processes: Leadership
- UNIT – IV** Attitude : Nature and Characteristics, Development and change. Theories of attitude change.
- UNIT – V** Prosocial behaviour, aggression and violence. Nature, Characteristics, Determinants, Theories.

BOOK RECOMMENDED :

1. *Billing, M. (1976) Social Psychology and inter group relations, NY: Academic Press*
2. *Lindzey, G. & Aronson, E (Eds) (1985) The Handbook of social psychology. NY : Random House.*
3. *Mishra, G. (1990) Applied social psychology in India ND: Sage*
4. *Eiser, J.R. (1986) Social Psychology, London : Cambridge University Press.*
5. *Dalal, A.K. (1989) Attribution theory and research ND wiley limited .*
6. *Feldman R.S. (1985) Social Psychology, New York, Mc Graw hill.*
7. *Baran A.B. & Byre, D (1991) Social Psychology, - Boston allyn & Bacon.*
7. *Pandey, J. (1988) Psychology in India; the state – 7 the art Vol – 2 ND. Sage.*

PAPER – III
BASIC RESEARCH METHODOLOGY

M.M. - 80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

UNIT – I Research Methodology

- Types of psychological research.
- Methods of Psychological Research : Experimental, Quasi – experimental, case studies, field studies and cross – cultural studies.
- Variables: Nature and types. Techniques of experimental manipulation, control in experiment.

UNIT – II Sources of bias. Ethical issues in psychological research, Research Process: Consideration of research problem and hypothesis, Operationalization. Sampling: probability and nonprobability sampling.

UNIT – III Research designs : Cross Sectional and Longitudinal Correlational, factorial, randomized block, matched group, quasi – experimental, Graceo Latin Square time series design.

UNIT – IV Central tendencies, Dispersion, Normal Probability Curve, its properties and utility in inferential statistics, Null hypothesis, Type I and Type II errors, Levels of significance.

UNIT – V Method of Collecting data – I: Observation, Questionnaire, and Interview. Test & Scales

BOOK RECOMMENDED :

1. Kerlinger D & Katz L. : Foundation of behavioural research (2nd ed) Surjeet Publication, Kamlanagr, Delhi, 1983
2. Kothari C.R.: Research methodology : methods and techniques. Wiley eastern Ltd. New Delhi 1986
3. Broota, K.D. : Experimental design in behavioural research Wiley eastern Ltd. New Delhi 1992
4. Black T.R. : Quantative research designs for social sciences thousand oaks: sage 1988
5. Winer, B.J. : Stastical principles in experimental design, New York, Mc graw hill, 1971
6. Edwards, A.K.: Experimental designs in psychological research. New York Holt 1976
7. Mason, J. : Qualitative Researching, thousand oaks: sage 1997.

PAPER – IV
PSYCHOPATHOLOGY

M.M. – 80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

- UNIT – I** Concept of Psychopathology, Classification systems in psychopathology: W.H.O. (ICD-10) and multi-axial systems (DSM-IVTR): Evaluation of classification system.
- UNIT – II** Theoretical background, approaches to psychopathology (1) Psychodynamic; (2) Behavioural; (3) Cognitive; (4) Phenomenological; (5) Biological and (6) Socio cultural; Diagnosis – purposes of diagnosis, reducing undesirable variability: diagnostic system.
- UNIT – III** Anxiety disorder : Panic, Phobic, OCD, Post – Traumatic, GAD, somatoform disorders, Impulse control disorder, eating disorder, Sleep disorder, dissociative: Types, symptoms and management.
- UNIT – IV** Psychotic disorders: Schizophrenia, Mood disorder.
Personality disorder (cluster categories and problems), types & symptoms: Types, Symptoms and management.
- UNIT – V** Substance related disorders. Mental Retardation and developmental disorders.

BOOK RECOMMENDED :

1. Aboud, T.D.: Health psychology in global perspective. Thousand oaks, C.A: Sage (1988).
2. Page, J.D.: PSYCHOPATHOLOGY : The Science of understanding Deviance. (2nd ed.) (1975)
3. Carson, C.R., Butcher J. N. : Abnormal psychology and modern life (9th ed) Harper Collins publisher. (1992).
4. Adams, H.E. & Sutkar. P.B. : comprehensive handbook of psychopathology New York, Plenum Press.
5. Prokap, C.R. & Bradly, L.A.: Medical psychology: Contribution to Behavioural medicine, Academic press, (1991)
6. Davison G.C. and Neal J.N. Abnormal Psychology – 8th Ed. Wiley Publishers, 2000.

PAPER – V
PRACTICUM

M.M. - 100

This paper consists of the laboratory (experimental) and field – work done throughout the semester and will be evaluated at the time of examination along with the other papers. Distribution of marks would be as under:

	Marks
A. Record of lab practical and field work	25
B. Evaluation of one lab. Experiment of be conducted in the examination	50
C. Viva-Voce on practicum	25

Note : No candidate would be allowed to appear in the practical examination unless his/ her day-to-day practical work and report are found satisfactory.

List of Practicum : (**Any five experiments and one field study**)

Experiments :-

Proposed experiments for M.A. Sem. Ist Psychology exam –2016-17

1. Meaningfulness in Learning.
2. Feedback in verbal learning.
3. Chunking.
4. Episodic memory.
5. Effect of types of information on impression formation.
6. Meaningfulness and selective attention.
7. Perceptual constancy size/Shape/Brightness.
8. Mental fatigue.
9. Verbal conditioning.
10. Effect of feedback on self concept.

Field Work :

- | | |
|------------------------|--------------------------|
| 1. Work motivation | 2. D.A.T. |
| 3. Mental health | 4. Frustration tolerance |
| 5. Occupational stress | 6. Depression |

Note : Field studies topics would be allotted by the departmental committee.

M. A. – II SEMESTER (PSYCHOLOGY)

The curriculum frame – work is as under.

COMPULSORY PAPERS

PAPER	NAME	MARKS		Credits		
		Theory	Internal Assessment	Theory	Practical	Total
VI	Basic Psychological processes – II	80	20	4		4
VII	Group Processes and Cultural Psychology	80	20	4		4
VIII	Advance Research Methodology	80	20	4		4
IX	Physiological Psychology and Health Behaviors	80	20	4		4
X	Practicum : Testing	100			4	4
	Total Marks	420	80	16	4	20

NOTE : Internal Assessment will be done on the basis of Unit Test/ Seminar/Tutorials.

PAPER – VI

BASIC PSYCHOLOGICAL PROCESSES - II

M.M. - 80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

Unit I. Learning Process: Classical conditioning : Procedure, Phenomena and related issues. Instrumental learning : Phenomena, Paradigms and theoretical issues. Process, Escape Conditioning, Avoidance Conditioning, Generalization. Reinforcement: Basic variables and schedules.

UNIT II Experimental analysis of behaviour : Behaviour modification, shaping Discrimination learning. , Neurophysiology of learning.

Unit III. Verbal learning : Methods and materials, organizational processes

UNIT IV Learning theories : Hull, Tolman, Skinner.

- Cognitive approaches in learning: Latent learning, observational learning.

Unit V. 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.

BOOK RECOMMENDED :

1. Snodgrass, J. Gray. Et. Al (1985) Human experimental psychology, New York : Oxford University Press.
2. Galott, K. M. (1999) Cognitive psychology in and outside laboratory, Mumbai : Thompson Asia.
3. D. Amato M.R. (1970) Experimental Psychology, New York, Mc. Graw Hill.
4. Sen Anima : Attention & Distraction New Delhi.

PAPER – VII

GROUP PROCESSES AND CULTURAL PSYCHOLOGY

M.M. - 80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

UNIT – I Group Dynamics and Group behaviour, Group effectiveness, and Group Cohesiveness : meanings, formation, decision making, problem solving and group level behaviours.

UNIT – II Leadership : Meaning and nature, function, styles and effectiveness.

UNIT – III Social issues : Poverty, Caste, gender, population issues in India, Communal tension and harmony.

UNIT – IV Culture and Behaviour I : Culture and Cognition and emotion. Culture and Organisation.

UNIT – V Culture and Behaviour II : Culture and Health. Culture and Personality.

- social psychology : Health, Environment and Law.

BOOK RECOMMENDED :

1. Billing, M. (1976) Social Psychology and inter group relations, NY: Academic Press Lindsey, G.
2. Aronson, E (Eds) (1985) The Handbook of social psychology. NY : Random House.
3. Mishra, G. (1990) Applied social psychology in India ND: Sage
4. Eiser, J.R. (1986) Social Psychology, London : Cambridge University Press.
5. Dalal, A.K. (1989) Attribution theory and research ND wiley limited .
6. Feldman R.S. (1985) Social Psychology, New York, Mc Graw hill.
7. Baran A.B. & Byre, D (1991) Social Psychology, - Boston allyn & Bacon.
8. Pandey, J. (1988) Psychology in India; the state – 7 the art Vol – 2 ND. Sage.

PAPER – VIII
ADVANCE RESEARCH METHODOLOGY

M.M. - 80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

- UNIT – I** Experimental Design : Single Factor, Randomized block, 2X2 factorial design, Repeated measures (on one factor),
- UNIT – II** ANOVA : one – way and two – way : Randomized and Repeated Measure Design. ANCOVA, Post ANOVA tests.
- UNIT – III** Measures of relationships : bi-serial, point bi-serial, tetracoric and phi, Multiple and partial Correlations.
- UNIT – IV** Regression : simple and multiple, Factor analysis : Assumptions, Methods Rotation and interpretation
- UNIT – V** Use of computer in psychological researches, Research report writing (APA style).

BOOK RECOMMENDED :

1. Kerlinger D & Katz L. : Foundation of behavioural research (2nd ed) Surjeet Publication, Kamlanagr, Delhi, 1983
2. Kothari C.R.: Research methodology : methods and techniques. Wiley eastern Ltd. New Delhi 1986
3. Broota, K.D. : Experimental design in behavioural research Wiley eastern Ltd. New Delhi 1992
4. Black T.R. : Quantative research designs for social sciences thousand oaks: sage 1988
5. Winer, B.J. : Stastical principles in experimental design, New York, Mc graw hill, 1971
6. Edwards, A.K.: Experimental designs in psychological research. New York Holt 1976
7. Mason, J. : Qualitative Researching, thousand oaks: sage 1997.

PAPER – IX

PHYSIOLOGICAL PSYCHOLOGY AND HEALTH BEHAVIOURS

M.M. - 80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

UNIT – I **Methods and Basic concepts**

- Methods of Physiological psychology : Lesion and Brain Stimulation.
- Receptors, effectors and adjuster mechanisms.
- Neural impulse: Origin, conduction and measurement.

UNIT – II

- Sensory system: Vision and Audition.
- Human nervous system: Structure and functions.

UNIT – III Sleep and waking: Stages of sleep, Disorders of sleep and Physiological mechanisms of sleep and waking.

- Drinking and its neural mechanism; hunger and its neural mechanism.
- Endocrine System: Chemical and glandular.

UNIT - IV Approach to therapy (Psychoanalytic, Biological Behavioural, Behavioural medicine and spiritual therapy).

UNIT - V Mental health promotion and maintenance, present issues and trends in health psychology.

BOOK RECOMMENDED :

1. Aboud, T.D.: Health psychology in global perspective. Thousand oaks, C.A: Sage (1988).
2. Page, J.D.: PSYCHOPATHOLOGY : The Science of understanding Deviance. (2nd ed.) (1975)
3. Carson, C.R., Butcher J. N. : Abnormal psychology and modern life (9th ed) Harper Collins publisher. (1992).
4. Adams, H.E. & Sutkar. P.B. : comprehensive handbook of psychopathology New York, Plenum Press.
5. Prokap, C.R. & Bradly, L.A.: Medical psychology: Contribution to Behavioural medicine, Academic press, (1991)
6. Davison G.C. and Neal J.N. Abnormal Psychology – 8th Ed. Wiely Publishers, 2000.

PAPER – X
PRACTICUM

M.M. 100

This paper consists of the laboratory (experimental and testing) and field – work done throughout the semester and will be evaluated at the time of examination along with the other papers. Distribution of marks would be as under:

	Marks
C. Record of lab practical and field work	25
D. Evaluation of one lab. Testing of be Conducted in examination	50
E. Viva-Voce on practicum	25

Note : No candidate would be allowed to appear in the practical examination unless his/ her day-to-day practical work and report are found satisfactory.

List of Practicum : (**Any five tests and one field study**)

Tests :-

1. 16 P.F.
2. Problem solving ability
3. Aptitude
4. Mixed type group Intelligence test
5. Levenensons Scales for Locus of Control
6. Digit memory scope
7. Aggression.
8. Semantic ink block test.

Field Work :

- | | |
|-----------------------------|------------------------------|
| 1. Achievement motivation | 2. Intelligence |
| 3. Personality | 4. Parent child relationship |
| 5. inferiority & insecurity | |

Note : Field studies topics would be allotted by the departmental committee.

M. A. – III SEMESTER (PSYCHOLOGY)

The curriculum frame – work is as under.

COMPULSORY PAPERS (Two)

No.of Paper	Name of Paper	MARKS		HOUR
		Theory	Internal Assessment	
(XI)	Personality and Indigenous Psychology	80	20	3 hours
(XII)	Psychological Assessment - I	80	20	3 hours
Optional Papers : Two papers from any one of the three groups				
	Group A : Psychology of Management			
(XIII)	Organizational Behaviour - I	80	20	3 hours
(XIV)	Human Resource Development and Management - I	80	20	3 hours
	Group B : Psychology of Education			
(XIII)	Educational and Instructional Psychology - I	80	20	3 hours
(XIV)	Basics of Psychological Guidance and Counselling - I	80	20	3 hours
	Group C : Clinical Psychology			
(XIII)	Clinical Diagnosis - I	80	20	3 hours
(XIV)	Psychotherapeutic Counselling - I	80	20	3 hours
(XV)	Practicum	100		4 hours

NOTE: Internal Assessment will be done on the basis of Class Testing/Seminar/Tutorials.

M. A. – III SEMESTER (PSYCHOLOGY)

PAPER – XI (COMPULSORY)

PERSONALITY AND INDIGENOUS PSYCHOLOGY – I

M.M. - 80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

UNIT – I Personality Meaning, Perspectives & Measurement of Personality. Concept of mature Personality, Personality Theory- Problems & Procedures.

UNIT – II Psychodynamic perspective Freud, Erikson, Adler- theory of personality – the structure, dynamics and development of Personality and the Research Methods used.

UNIT – III Trait approach Allport, Cattell and Eysenck-theory of personality. The structure dynamic, development of Personality the Research Methods.

UNIT – IV Cognitive, Behavioural and Humanistic approach Kelly, Bandura and Roger's theory of Personality. Structure, dynamics and development of Personality & the Research Methods.

UNIT – V Indigenous concept and Models of Personality – Yogic, Sankhya and Current Researches in the field of Personality.

BOOK RECOMMENDED :

1. Liebert, R.M. & Spiegler, M.P. (1993): Person aligy: Strategies & issues, P.C. California Books Cole Pub. Co.
2. Hall C.S. and Lindsey, G. (1996) theories of Personality N.Y.J. Wiley & Sons.
3. Pervin L.A. (1975): Psychology of personality readings in theory, Chigos. Rand Meznally College Lab.
4. Sinha J.N. (1969) : Indian Psychology, Calcutta.
5. Mukkopadhyay, Swami Niranjand Saraswati Yoga Darshan Munger : Bihar School of Yoga.

M. A. – III SEMESTER (PSYCHOLOGY)

(COMPULSORY)

PSYCHOLOGICAL ASSESSMENT – I

M.M. - 80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

UNIT – I Nature of Psychological Assessment, Differences between Physical & psychological assessment. Problems in Psychological Assessment., Levels of Assessment.

UNIT – II Scaling: Unidimensional and Multidimensional. Scale construction techniques. Difference among tests, scales, questionnaire and schedule. Characteristics of a good psychometric test. Difference between psychometric and projective technique.

UNIT – III Construction of Psychometric tools: Steps in test Construction, item writing, pre try out, item difficulty level discrimination power, Psychological test, types of Psychological test.

UNIT – IV Standardization process of psychometric tools test: Reliability : Concept, type, methods of determining reliability, validity: Concept, type, methods to determine validity, factor affecting reliability and validity. Norms : Types, Uses and Method to determine various types of norms

UNIT – V (a) Adaptation of tests.
(b) Test taking Response Styles: Social desirability, Acquiescence and Faking.
(c) Psychological testing in Applied Field of Life: Diagnosis, Psychotherapy, Education, Occupations and Organizations.

BOOK RECOMMENDED :

1. Anastasi, A. (1988) Psychological Testing London: Mc Millan Publishing Co. Crowback. L.J. Essentials of Psychological Testing.
2. Reeman F. Theory and Practice of Psychological Testing.
3. Gheselli Theory of Psychological Measurement New Delhi Tata HeGraw Hill Publication.
4. Guilford, J.P. Psychometric Methods. New Delhi Tata Mc Graw Hill.
Nunally, J.C. Introduction to Psychological Measurement, Tokyo **PAPER – XII**
5. Mc Graw Hill.
6. Nunally, J.C. Psychometric Theory, New Delhi: Tata Mc.Graw Hill Publishing Co.

M. A. – III SEMESTER (PSYCHOLOGY)

GROUP - A

PAPER – XIII (OPTIONAL)

ORGANIZATIONAL BEHAVIOUR – I

M.M. - 80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

- UNIT – I** Introduction : Organization Behaviour – Scope and Concepts.
- UNIT – II** Psychological Processes : Learning, Perceptions and Motivation – Definition, Theories and application.
- UNIT – III** Leadership and Supervision: Concept, Factors influencing leadership role, Essentials of Leadership, Leadership Styles, Supervision and patterns of supervision.
- UNIT – IV** Organizational Dynamics: Organizational Power & Politics., Organizational Conflict, Conflict Management, Union Management interface.
- UNIT – V** Decision Making: Concepts, Decision Making process, types of decisions, factors influencing decision making, Management decision techniques.

BOOK RECOMMENDED :

1. Udai Pareek: Organizational learning R. Gibson (1997) Rethink the future London Nicholas Brealey Publishing.
2. Luthans Fred: Organizational Behaviour (1995) Mc Graw Hill international Edition.
3. Stephens P. Robbins: Organizational behaviour (9th edition) (2000) Prentie Hall India, New Delhi 110001.
4. Jerald Greenbery, Robert, A aburon: Behaviour in organization (1999) PrentieHall of India. New Delhi 110001.

M. A. – III SEMESTER (PSYCHOLOGY)

GROUP - A

PAPER – XIV (OPTIONAL)

HUMAN RESOURCE DEVELOPMENT AND MANAGEMENT – I

M.M. - 80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

- UNIT – I** Assumptions about HRM, Structure and Role of HRM. The Indian Context of HRM Models of HRM. Current and future Challenges to HRM.
- UNIT – II** Human Resource Planning: Steps and stages in manpower planning. Structure of manpower planning HRD in India.
- UNIT – III** Job analysis and job design. Recruitment and selection.
- UNIT – IV** Training and development: Nature of Training and development, Importance of Training and development. How to make training effective.
- UNIT – V** Performance appraisal, Factors distorting appraisal and how to improve appraisals. Type of appraisal.

BOOK RECOMMENDED :

1. Human Resource Management. A contemporary perspective I. Board Well & Holden.
2. Personnel Human Resource Management. D.A. centre & S.P. Robbins.
3. Designing and Management. Human Resources Systems U. Pareek & T.V. Rao.
4. Human Resource Management. Fisher. Scheenfeldt and show.
5. Human Research and Personnel Management by Aswathappo. (2002) 3rd edition; Tata McGraw Hill.

M. A. – III SEMESTER (PSYCHOLOGY)

GROUP - B

PAPER – XIII (OPTIONAL)

EDUCATIONAL INSTRUCTIONAL PSYCHOLOGY – I

M.M. - 80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

- UNIT – I** Conceptual and theoretical perspectives in Educational Psychology. Theories, Behaviouristic, Social learning and Piaget and their application in teaching.
- UNIT – II** Information processing Models, Instructional Models, Programmed learning concept, Characteristics and models.
- UNIT – III** Human diversity and education. Learning styles: Nature, approaches to learning style, measurement of learning styles, attempt to modify learning styles.
- UNIT – IV** Individual and group differences in intelligence. Theories of intelligence, Gender differences issues in the classroom.
- UNIT – V** Learning and motivation, study habit, importance, Levels of Learning

BOOK RECOMMENDED :

1. De Secco, J.P. & Croford, W.R. : The Psychology of Learning and Instruction, New Delhi. Prentice Hall.
2. Ellis, R.S.: Educational Psychology, A Problem approaches affiliated, New Delhi, ease West Press.
3. Bruce & Marshvell : Models of Teaching (2nd Ed.) 1980.
4. Travers, J.F. : Educational Psychology (2nd Ed.) 1979.
5. Woolbtk, A.E. (1995), Educational Psychology (6th Ed.) Allya & Bacon, London/ Bostan.
6. Gage, N.L. & Berliner (1998). Education of Psychology (6th Ed.), Hought Miffir, New Yark.

M. A. – III SEMESTER (PSYCHOLOGY)

GROUP - B

PAPER – XIV (OPTIONAL)

BASICS OF PSYCHOLOGICAL GUIDANCE AND COUNSELLING – I

M.M. - 80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

- UNIT – I** Nature, Need and Functions of Guidance. Principles of Guidance.
- UNIT – II** Techniques of Appraising the client: Non-Standardized Methods. Anecdotal Record, Auto biography, Case study, Sociometric, Observation, Rating scale, Questionnaire.
- UNIT – III** Techniques of Appraising the client:- Standardized Methods Intelligence, Personality Aptitude, Interest, Achievement.
- UNIT – IV** Organization of a guidance programme Relevance of Guidance under 10+2+3 educational pattern.
- UNIT – V** Special areas of Guidance – Vocational Guidance, Educational Guidance, personal Guidance Problems of Guidance in India.

BOOK RECOMMENDED :

1. Anastasi, Z., 1 Lewis, E.C. (1970): Counselling Psychology, New York, Holt Rinehart and Winster, Inc.
2. Harson, J.C. (1978): Counselling Processes and Procedures. New York, McMillan Publishing Co. Inc.
3. Narayan Rao. S. (1981): Counselling Psychology, New Delhi, Tata McGraw Hill.
4. Kemp. C.G. (1970): Foundations of group counselling., New York, McGraw Hill.
5. Steffler, B.(Ed.) 1965. Theories of counselling, New York, McGraw Hill Book Co.
6. Warters, J. (1964): Techniques of counselling, New York, McGraw Hill Book Co.
7. Rappaport, D. Gill, M.M. and Schafer, R. (1968): Diagnostic Psychological testing. (Revised edition, edited by Holt, R.R.) New York, International Universities Press.
8. Anastasi, Z. (1992): Psychological Testing (Seventh Ed.) New York, McMillan.

M. A. – III SEMESTER (PSYCHOLOGY)

GROUP - C

PAPER – XIII (OPTIONAL)

CLINICAL DIAGNOSIS – I

M.M. - 80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

- UNIT – I** History and current trends. Current trends. Growth of the branch: Growth in numbers, differentiation. Professionals spiral of growth. Growth in India.
- UNIT – II** Approach of clinical psychology: Psychodynamic, Behaviouristic, Humanistic, cognitive and socio-cultural.
- UNIT – III** Clinical diagnosis: Symptomatic vs. dynamic. Symptomatic diagnosis: ICD-10, DSM-IV (R).
- UNIT – IV** Dynamic diagnosis: Observation, Case history, and Interview.
- UNIT – V** Impressionistic approach of diagnosis: Informal assessment, source of errors in impression formation, Importance of Psychometric approach.

BOOK RECOMMENDED :

1. Iscope, I.; Block B.L. and Spielberger, C.D. (eds) Community psychology: Perspectives in training and research. NY: Appleton, 1977.
2. Mann. A.P.; Community Psychology: Concepts and applications. Free Press, 1978.
3. Rapaport, J. Community Psychology: Values, Research and action. NY : Holt Rinehart. 1977.
4. Korchin, S.Modern Clinical Psychology. Harper and Row, 1978.
5. Wolman, B.B. (ed) Handbook of Clinical Psychology, Mc Graw Hills, 1972.

M. A. – III SEMESTER (PSYCHOLOGY)

GROUP - C

PAPER – XIV (OPTIONAL)

PSYCHOTHERAPEUTIC COUNSELLING – I

M.M. - 80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

- UNIT – I** Psychotherapeutic Counselling : Psychoanalytic Technique, Behavioural. Technique, Client centered technique, Community interventions and Group therapeutic techniques.
- UNIT – II** Methods for Altering Maladaptive Behavioural deficits: Shyness, delinquency, depression, speech and sexual dysfunctions.
- UNIT – III** Methods for altering maladaptive behavioural excesses: Excessive smoking, alcoholism, drug addiction and temper-out burst, physical aggression.
- UNIT – IV** Methods of altering inappropriate behaviour: Marital maladjustment, child-misbehaviour, homosexuality, and exhibitionism.
- UNIT – V** Methods for altering fears and anxiety and treating psychophysiological disorders: test-anxiety, generalized anxiety, stress, school phobia, snake phobia, combination of fears, CHD, asthma and peptic ulcer.

BOOK RECOMMENDED :

1. Carson & Butcher : Abnormal Psychology and modern life.
2. Wolpe, R. & Dryden, W. (eds) (1996) : Handbook of counselling psychology, New Delhi
3. Woolberg, L.R. (1998) : The Techniques of Psychotherapy, Barcour Brace : Groune and stration.
4. Toukimarian, S.G. & Rennie D.C. (1992): Psychotherapy Process and Research, Sage
5. Gelso; C.J. and Fretz, B.R. (1995): Counselling Psychology, Bangalore, Prism Books Ltd.
6. Abate, L. & Milan, M.A. (ed.) (1985) : Handbook of social skill training & Research, New York: John Wiley & Sons.
7. Gorey, G (1986) Theory and Practices of Counselling and Psychotherapy, Monterey California, books colely publishing.
8. Adelson, D. & Kalis, B.L. (1970) : Community Psychology and Mental Health. Perspectives Seanto.
9. Mann. A.P. (1978): Community Psychology : Concepts and applications, Free Press.
10. Iscoe. I. Block, B.L. & Spielberger, C.D. (eds.) (1977): Community Psychology : Perspectives in training and research N.Y. : Appleton.

M. A. – III SEMESTER (PSYCHOLOGY)

PAPER – XV (OPTIONAL)

PRACTICALS (COMPULSORY)

M.M. - 100

LAB PRACTICALS :-

NOTE : Any five of the following to be completed in the Laboratory training.

1. Knowledge of results.
2. Effect of social support on conformity.
3. Attribution of achievement outcomes.
4. Zeigarnik effect.
5. Level of aspiration as a function of success or failure.
6. Reminiscence in motor learning.
7. Short Term Memory.
8. Effect of group on individual judgement.

M. A. – IV SEMESTER (PSYCHOLOGY)

The curriculum frame – work is as under.

COMPULSORY PAPERS (Two)

No.of Paper	Name of Paper	Marks		Hours
		Theory	Internal Assessment	
(XVI)	Life Span development	80	20	3 hours
(XVII)	Psychological Assessment - II	80	20	3 hours
	Optional Papers : Two papers from any one of the three groups			
	Group A : Psychology of Management			
(XVIII)	Organizational Behaviour - II	80	20	3 hours
(XIX)	Human Resource Development and Management - II	80	20	3 hours
	Group B : Psychology of Education			
(XVIII)	Educational and Instructional Psychology - II	80	20	3 hours
(XIX)	Basics of Psychological Guidance and Counselling - II	80	20	3 hours
	Group C : Clinical Psychology			
(XVIII)	Clinical Diagnosis and community Mental Health - II	80	20	3 hours
(XIX)	Psychotherapeutic Counselling - II	80	20	3 hours
(XX)	Practicum	100		4 hours

PAPER – XVI (COMPULSORY)

LIFE SPAN DEVELOPMENT

M.M. - 80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

- Unit – I** Introduction : What is development : Nature, Stages and principles of developmental Psychology, Maturation vs Experience; Nature Nurture debate
- Unit – II** Theories of Human development : Psychodynamic, Psychosocial, Behaviorism and social learning theories, Cognitive development and Socio-Cultural Theory of development.
- Unit–III** Research methodology in Development Psychology and Measurement Techniques, Research design, Ethical issues in Research on child development.
- Unit – IV** The Biological foundation of development, Development of language and communication, Emotional, Social personality and Moral development.
- Unit – V** Adulthood, Middle and old age : Characteristics, Psychological changes and adjustment.

Books Recommended :

An introduction to Child Development, IInd Ed.

1. Thomas Keenan and Subhadra Evans *Sage Foundations of Psychology* 2009
2. Baltes, P.B. & Brim O.G. (1978) : *Life span development Behaviour*. N.Y. Academic Press.
3. Thomas, M.R. (2000) : *Recent theories of Human Development*, Thousand Oaks: Sage Publication.
4. Zanden, J.W. & Vander (1997) : *Human Development (7th Ed.)* New York : Mc Graw Hill.
5. Elizabeth B. Hurlock (1977) : *Development Psychology, A life span approach*, (5th Ed.)
6. Jere, E. Brothy & Sherry I, Willis (1981) *Human Development and Behaviour*, St. Martin's Press, NY.

PAPER – XVII (COMPULSORY)
PSYCHOLOGICAL ASSESSMENT - II

M.M.- 80

NOTE: This paper consist of five units. From each unit minimum two questions will be set and candidates will have to be answer one question from each unit.

UNIT – I Concept and Measurement of Intelligence, Major Tests of Intelligence developed under Western and Indian Cultural set up.

UNIT – II Concept and Measurement of Aptitude; Major Test of Aptitude developed under Western and Indian Cultural set up. Achievement; concept and measurement of Achievement Test; Major Test of Achievement developed under Indian Cultural set up.

UNIT – III Test of Personality: Projective and Psychometric Approaches, Major Test of Personality, developed under Western and Indian Cultural set up.

UNIT – IV Test of Adjustment, Values, Interest, Stress and Anxiety development under Indian condition.

UNIT – V Psychological Testing in Applied Field: Neuro-Psychological Testing : Objectives and Major Neuropsychological Test.
Emotional Intelligence: Concept and Major Test of emotional Intelligence developed under western and Indian cultural set up.

BOOK RECOMMENDED :

1. *Psychological Studies – 2004, Vol.-49.*
2. *Daniel Golman: Emotional Intelligence (1995) New York: Bantam Books.*

BASIC BOOK :

1. *Anastasi, A. (1988) Psychological Testing London: Mc Millan Publishing Co.*
2. *Crowback. L.J. Essentials of Psychological Testing.*
3. *Freeman F. Theory and Practice of Psychological Testing.*
4. *Gheselli Theory of Psychological Measurement New Delhi Tata HeGraw Hill Publication.*
5. *Guilford, J.P. Psychometric Methods. New Delhi Tata Mc Graw Hill.*
6. *Nunally, J.C. Introduction to Psychological Measurement, Tokyo: Mc Graw Hill.*
7. *Nunally, J.C. Psychometuric Theory, New Delhi: Tata Mc.Graw Hill Publishing Co.*

GROUP - A
PAPER – XVIII (OPTIONAL)
ORGANIZATIONAL BEHAVIOUR – II

M.M. - 80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

UNIT – I **GROUPS :** Types of Groups, Processes, Group Culture and Social Influence, Team Building.

UNIT – II **COMMUNICATION :** Nature, Types, Application of different types of Communication, Role of TA in Communication.

UNIT – III **ORGANIZATIONAL CHANGE :** Types of Change, Sources of Change, Process, Human element in change.

UNIT – IV **ORGANIZATIONAL DEVELOPMENT :** Concepts, objectives and goals, process Behavioural Science approach to organizational development.

UNIT – V **MARKETING :** Marketing Research, Nature and function, consumer behavior, sales promotion strategies.

BOOK RECOMMENDED :

1. *Udai Pareek: Organizational learning R. Gibson (1997) Rethink the future London Nicholas Brealey Publishing.*
2. *Luthans Fred: Organizational Behaviour (1995) Mc Graw Hill international Edition.*
3. *Stephens P. Robbins: Organizational behaviour (9th edition) (2000) Prentie Hall India, New Delhi 110001.*
4. *Jerald Greenbery, Robert, A aburon: Behaviour in organization (1999) PrentieHall of India. New Delhi 110001.*

GROUP - A
PAPER – XIX (OPTIONAL)
HUMAN RESOURCE DEVELOPMENT AND MANAGEMENT – II

M.M. - 80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

- UNIT – I** Job evaluation, Wage and salary administration. Employment incentives.
- UNIT – II** Human Resource policies and practices, changing trends in work environment, developing the human resource.
- UNIT – III** Maintaining Human Resource: Safety and Health Stress Management, Labour Relations.
- UNIT – IV** Collective Bargaining, Employee involvement, employee communication.
- UNIT – V** Employee counselling, challenges of Human Resource Management.

BOOK RECOMMENDED :

1. *Human Resource Management. A contemporary perspective I. Board Well & Holden.*
2. *Personnel Human Resource Management. D.A. centre & S.P. Robbins.*
3. *Designing and Management. Human Resources Systems U. Pareek & T.V. Rao.*
4. *Human Resource Management. Fisher. Scheenfeldt and show.*
5. *Human Research and Personnel Management by Aswathappo. (2002) 3rd edition; Tata McGraw Hill.*

GROUP - B

PAPER – XVIII (OPTIONAL)

EDUCATIONAL INSTRUCTIONAL PSYCHOLOGY – II

M.M. - 80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

- UNIT – I** Effective Teaching and Classroom Management Planning and setting objectives for Teaching, Characteristics of effective teachers.
- UNIT – II** Teaching methods instruction lecturing and explaining, questioning, student centred teaching class room management and teaching in small groups: The discussion method and cooperative learning, computer-assisted instruction.
- UNIT – III** Exceptionality and social education: Categories of exceptionality, labeling and educational relevance Physically disabled students, students with cognitive disabilities, brain dysfunction and communication disorders.
- UNIT – IV** Students with emotional and behavior disorder. Attention deficit disorder (Add), Attentional Deficit Hyperactive Disorder (ADHD), Gifted and talented students. Intervention and special education for various forms of exceptionality, mainstreaming.
- UNIT – V** Educational Assessment Measurement and evaluation (Norm reference and criteria referenced tests), Test scores- meaning and types, standardized test: Meaning Types and interpretation Classroom assessment and grading: Techniques of Class room evaluation. Observation, questionnaire.

BOOK RECOMMENDED :

1. *De Secco, J.P. & Croford, W.R. : The Psychology of Learning and Instruction, New Delhi. Prentice Hall.*
2. *Ellis, R.S.: Educational Psychology, A Problem approaches affiliated, New Delhi, ease West Press.*
3. *Bruce & Marshvell : Models of Teaching (2nd Ed.) 1980.*
4. *Travers, J.F. : Educational Psychology (2nd Ed.) 1979.*
5. *Woolbtk, A.E. (1995), Educational Psychology (6th Ed.) Allya & Bacon, London/ Bostan.*
6. *Gage, N.L. & Berliner (1998). Education of Psychology (6th Ed.), Hought Miffir, New Yark.*
7. *Axrual Review (2006), Vol 57, P 487-*
8. *Sharma R. A. (2007), Advance Educational Technology, Revised Edition International Publishing House P 25-42, 43-65, 66-668*
9. *Mohan, A.J. (2003) Educational Psychology, Neel Kamal Publications.*

GROUP - B

PAPER – XIX (OPTIONAL)

BASICS OF PSYCHOLOGICAL GUIDANCE AND COUNSELLING – II

M.M. - 80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

- UNIT – I** Nature, Need and Functions of Counselling. Counselling and Psychotherapy. Intervention, Goal and objectives of Counselling.
- UNIT – II** Techniques of Appraising the client: Standardized Techniques, Intelligence, Personality, Aptitude and Interest Interview.
- UNIT – III** Approaches of Counselling: Directive, Non-directive, Eclectic. Individual and group counselling. Evaluation of counselling. Follow up and placement services.
- UNIT – IV** Characteristics of a good Counsellor. Counsellors, Training, Issues and trends in guidance and counselling. Ethical standards.
- UNIT – V** Special areas of Guidance and Counselling: Marital, Family. Counselling for the pre-school and elementary school children adolescent.

BOOK RECOMMENDED :

1. Anastasi, Z., & Lewis, E.C. (1970): *Counselling Psychology*, New York, Holt Rinehart and Winster, Inc.
2. Harson, J.C. (1978): *Counselling Processes and Procedures*. New York, McMillan Publishing Co. Inc.
3. Narayan Rao. S. (1981): *Counselling Psychology*, New Delhi, Tata McGraw Hill.
4. Kemp. C.G. (1970): *Foundations of group counselling.*, New York, McGraw Hill.
5. Lewis, E.C. (1970): *Counselling Psychology*, New York, Holt Rinehart and Winster, Inc.
6. Steffler, B.(Ed.) 1965. *Theories of counselling*, New York, McGraw Hill Book Co.
7. Warters, J. (1964): *Techniques of counselling*, New York, McGraw Hill Book Co.
8. Rappaport, D. Gill, M.M. and Schafer, R. (1968): *Diagnostic Psychological testing*. (Revised edition, edited by Holt, R.R.) New York, International Universities Press.

GROUP - C
PAPER – XVIII (OPTIONAL)
CLINICAL DIAGNOSIS AND COMMUNITY MENTAL HEALTH – II

M.M. - 80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

UNIT – I Clinical assessment : Basic principles, Psychometric tests: MMPI, WAIS & WISC.

UNIT – II Projective tests: Characteristics and clinical use, Rorschach & TAT.

UNIT – III Neuro Psychological examination: Approaches; Halstead Neuropsychological test battery, Luria Nabraska Battery, use of Bender Gestalt & Weschler scale in neuro psychological testing.

UNIT – IV Community Psychology: History and Perspectives of Community Psychology.

UNIT – V Community Psychology: Social Interventions: Methods and Strategies.

BOOK RECOMMENDED :

1. *Iscope, I.; Block B.L. and Spielberger, C.D. (eds) Community psychology: Perspectives in training and research. NY: Appleton, 1977.*
2. *Mann. A.P.; Community Psychology: Concepts and applications. Free Press, 1978.*
3. *Rapaport, J. Community Psychology: Values, Research and action. NY : Holt Rinehart. 1977.*
4. *Korchin, S.Modern Clinical Psychology. Harper and Row, 1978.*
5. *Wolman, B.B. (ed) Handbook of Clinical Psychology, Mc Graw Hills, 1972.*

GROUP - C
PAPER – XIX (OPTIONAL)
PSYCHOTHERAPEUTIC COUNSELLING – II

M.M. - 80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

UNIT – I Methods for preventing problems and developing resourcefulness : Training family members, sibling as behavior change agents, Maintenance of parent raining. Development of academic skills – Teaching study skills to adults, improving study behavior through self-control technique.

UNIT – II Assertiveness Training, Developing Assertive Behaviour through Converts Modeling. Personal Appearance, Improving client’s grooming.

UNIT – III Methods for Promoting Wise Decision- Making: With Children, Career Decision Making Evaluation of Problem Solving Competence.

UNIT – IV Social Interaction: Conversational Skills, Weight: Control: Psychological techniques, improving Physical Fitness, Cardio Vascular Problems: Psychological prevention.

UNIT – V Drug Abuse: Drug abuse perception Reimforment for alternatives Peer Counselling: Peer Guidance program and behavioural interventions, Counsellor Accountability System.

BOOK RECOMMENDED :

1. Carson & Butcher : *Abnormal Psychology and modern life.*
2. Wolpe, R. & Dryden, W. (eds) (1996) : *Handbook of counselling psychology, New Delhi*
3. Woolberg, L.R. (1998) : *The Techniques of Psychotherapy, Barcour Brace : Groune and stration.*
4. Toukimarian, S.G. & Rennie D.C. (1992): *Psychotherapy Process and Research, Sage*
5. Gelso; C.J. and Fretz, B.R. (1995): *Counselling Psychology, Bangalore, Prism Books Ltd.*
6. Abate, L. & Milan, M.A. (ed.) (1985) : *Handbook of social skill training & Research, New York: John Wiley & Sons.*
7. Gorey, G (1986)*Theory and Practices of Counselling and Psychotherapy, Monterey California, books coley publishing.*
8. Adelson, D. & Kalis, B.L. (1970) : *Community Psychology and Mental Health. Perspectives Seanto.*
9. Mann. A.P. (1978): *Community Psychology : Concepts and applications, Free Press.*
10. Iscoe. I. Block, B.L. & Spielberger, C.D. (eds.) (1977): *Community Psychology : Perspectives in training and research N.Y. : Appleton.*

PAPER – XX (OPTIONAL)
PRACTICALS (COMPULSORY)

M.M. - 100

FIELD STUDY

This part of the practical paper comprises of completion of two field studies, one from the area of compulsory papers and another from the area of optional papers of the special groups under the supervision of a concern teachers.

M.A. PSYCHOLOGY

ANNUAL SYSTEM

2016-17

M. A. PREVIOUS (PSYCHOLOGY)

The curriculum frame – work is as under.

COMPULSORY PAPERS

PAPER	NAME	MARKS	HOUR
I	Experimental and Cognitive Psychology	100	3 hours
II	Social and Cultural Psychology	100	3 hours
III	Research Methodology and Statistics	100	3 hours
IV	Psychopathology and Health Psychology	100	3 hours
V	Practicum	100	4 hours
	Total Marks	500	

PAPER – I EXPERIMENTAL AND COGNITIVE PSYCHOLOGY

M.M. - 100

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

UNIT – I **Attentional and Perceptual Processes:**

Attention: selective attention and its theories, Biological basis. Motivation:
Perception: Nature, Principles of perceptual organization, Picture perception,
and Determinants.

UNIT – II Memory & forgetting: Memory process: Encoding, Storage, Retrieval: stages of
memory: Sensory. STM, LTM Episodic, Memory improvement Meta-
Cognition, Tip of the tongue Phenomenon, Meta memory.
Theories of forgetting: Interference, decay.

UNIT – III Thinking & Problem solving: Theories of thought Process, Reasoning, Problem
solving: Problem solving approaches strategies, Role of Concepts in thinking.
Decision-making: Algorithms and heuristics.

UNIT – IV Learning: Nature and Types, Classical Conditioning Instrumental learning,
Verbal learning, reinforcement.

UNIT – V Creativity and Reasoning
Creativity: Nature and Measurement, Factors affecting creativity.
Reasoning: Types and errors in reasoning process: deductive and inductive.

BOOK RECOMMENDED :

1. Snodgrass, J. Gray. Et. Al (1985) Human experimental psychology, New York : Oxford University Press.
2. Galott, K. M. (1999) Cognitive psychology in and outside laboratory, Mumbai : Thompson Asia.
3. D. Amato M.R. (1970) Experimental Psychology, New York, Mc. Graw Hill.
4. Sen Anima : Attention & Distraction New Delhi.

PAPER – II
SOCIAL AND CULTURAL PSYCHOLOGY

M.M. - 100

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

- UNIT – I** Historical Background & Theoretical perspective: Growth of social psychology, Methods of social psychology. Theoretical perspective: Cognitive dissonance, Social comparison, Attribution, Field Psychoanalytic, Socio-biology.
- UNIT – II** Social cognition and Influence Processes : Social and Person perception, impression management.
Communication.
Attitude : Nature and Characteristics, Development and change.
Leadership : Meaning and nature, function, styles of leadership, effectiveness.
- UNIT – III** Understanding Relationship and Group Processes: Social Motivations, Pre-social Behaviour.
Aggression and Violence.
Group Dynamics and cohesiveness: Group Dynamics: meanings, formation, decision making, group level behaviour.
- UNIT – IV** Applied Social Psychology: National character.
Poverty, Gender and Population Issues.
Social tension and group conflict.
Problems of social change
- UNIT – V** Culture and Behaviour: Culture and Cognition.
Culture and Organisation.
Culture and Personality.
Culture and Health.
Prejudice and discrimination.
Stereotypes.

BOOK RECOMMENDED :

1. Billings, M. (1976) Social Psychology and inter group relations, NY: Academic Press
- Lindsey, G. & Aronson, E (Eds) (1985) The Handbook of social psychology. NY : Random House.
2. Mishra, G. (1990) Applied social psychology in India ND: Sage
3. Eiser, J.R. (1986) Social Psychology, London : Cambridge University Press.
4. Dalal, A.K. (1989) Attribution theory and research ND wiley limited .
5. Feldman R.S. (1985) Social Psychology, New York, Mc Graw hill.
6. Baran A.B. & Byre, D (1991) Social Psychology, - Boston Allyn & Bacon.
7. Pandey, J. (1988) Psychology in India; the state – 7 the art Vol – 2 ND. Sage.

PAPER – III
RESEARCH METHODOLOGY AND STATISTICS

M.M. - 100

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

- UNIT – I** Nature of scientific research in behavioural sciences. Experimentation in psychology Variables: Nature and types. Techniques of experimental manipulation, control in experiment. Sources of bias. Ethical issues in psychological research, Research Process: Consideration of research problem and hypothesis.
- UNIT – II** Sampling: probability and nonprobability sampling. Research report writing (APA style). Normal Probability Curve, its properties and utility in inferential statistics, Null hypothesis, Type I and Type II errors, Levels of significance.
- UNIT – III** Method of Collecting data: Observation, Questionnaire, Interview. Case Study, Psychological tests and Content - Analysis.
- UNIT – IV** Experimental Design : Single Factor, Randomized block, 2X2 factorial design, Repeated measures (on one factor) Design : Graeco Latin – Square Design, t-test, NOVA : one – way and two – way : Newman - Keul tests.
- UNIT – V** Cross sectional and longitudinal designs. Measures of relationships: Multiple regression, factor analysis: the centroid method, calculation of factors, content analysis.

BOOK RECOMMENDED :

1. Kerlinger D & Katz L. : Foundation of behavioural research (2nd ed) Surjeet Publication, Kamlanagr, Delhi, 1983
2. Kothari C.R.: Research methodology : methods and techniques. Wiley eastern Ltd. New Delhi 1986
3. Broota, K.D. : Experimental design in behavioural research Wiley eastern Ltd. New Delhi 1992
4. Black T.R. : Quantative research designs for social sciences thousand oaks: sage 1988
5. Winer, B.J. : Stastical principles in experimental design, New York, Mc graw hill, 1971
6. Edwards, A.K.: Experimental designs in psychological research. New York Holt 1976
7. Mason, J. : Qualitative Researching, thousand oaks: sage 1997.

PAPER – IV

PSYCHOPATHOLOGY AND HEALTH PSYCHOLOGY

M.M. - 100

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

- UNIT – I** Classification systems in psychopathology: W.H.O. (ICD-10) and multi-axial systems (DSM-IV TR): Evaluation of classification system. Theoretical background, approaches to psychopathology (1) Psychodynamic; (2) Behavioural; (3) Cognitive; (4) Phenomenological; (5) Biological (6) Socio-cultural approach Diagnosis – purposes of diagnosis, Method of diagnostic assessment.
- UNIT – II** Intervention models and Psychotherapies Psychodynamic, Behavioural, Biological, Behavioural medicine socio-cultural, Phenomenological and spiritual approach to therapy.
- UNIT – III** Theories and models of Anxiety disorder: (a) Panic, Phobic, OCD Post – Traumatic. Stress disorders, Generalized Anxiety Disorders, (b) somatoform disorders, Impulse control disorder, eating disorder and Sleep disorder.
- UNIT – IV** Schizophrenia Mood disorder. Mental Retardation and Personality disorder (cluster categories and problems), types & symptoms substance related disorders.
- UNIT – V** Psychophysiological disorder, Theories of Personality-dispositions, coronary heart disease (CHD), Asthma, Allergy, Eczema Itching, Rheumatoid, Arthritis, Peptic. Ulcer, Diabetes and Menstrual disorders, sexual and gender identity disorder. Mental Health Promotion and Maintenance.

BOOK RECOMMENDED :

1. Aboud, T.D.: Health psychology in global perspective. Thousand oaks, C.A: Sage (1988).
2. Page, J.D.: PSYCHOPATHOLOGY : The Science of understanding Deviance. (2nd ed.) (1975)
3. Carson, C.R., Butcher J. N. : Abnormal psychology and modern life (9th ed) Harper Collins publisher. (1992).
4. Adams, H.E. & Sutkar. P.B. : comprehensive handbook of psychopathology New York, Plenum Press.
5. Prokap, C.R. & Bradly, L.A.: Medical psychology: Contribution to Behavioural medicine, Academic press, (1991)
6. Davison G.C. and Neal J.N. Abnormal Psychology – 8th Ed. Wiley Publishers, 2000.

PAPER – V
PRACTICUM

M.M. 100

This paper consists of the laboratory (experimental and testing) and field – work done throughout the academic session and will be evaluated at the time of annual examination along with the other papers. Distribution of marks would be as under:

	Marks
A. Record of lab practical and field work	25
B. Evaluation of one lab. Experiment of be conducted in the examination	25
C. One test to be administered in the examination	25
D. Viva-Voce on practicum	25

Note : No candidate would be allowed to appear in the practical examination unless his/ her day-to-day practical work and report are found satisfactory.

List of Practicum : **(Any five experiments four tests and one field study)**

1) Experiments :-

1. Meaningfulness and selective attention.
2. Effect of types of information on impression formation.
3. Memory improvement.
4. Episodic memory
5. Chunking
6. Proactive inhibition
7. Problem solving
8. Retroactive inhibition
9. Meaningfulness in verbal learning
10. Feedback in verbal learning.

Tests :-

1. E.P.Q.
2. Locus of control
3. Picture frustration
4. Intelligence test (performance/non-verbal)
5. Thinking style
6. Cognitive style
7. Trait-state anxiety
8. Projective test.

Field Work :

- | | |
|------------------------------|--------------------------|
| 1. Person perception | 2. Impression management |
| 3. Attitude measurement | 4. Group conformity |
| 5. Value judgement | 6. Identity crisis |
| 7. Gender discrimination | 8. Communal tension |
| 9. Interpersonal interaction | 10. Pro-social behaviour |
| 11. Social loafing. | |

Note : Field study Workshop on topics would be allotted by the departmental committee.

M. A. FINAL (PSYCHOLOGY)

The curriculum frame – work is as under.

COMPULSORY PAPERS (Two)

No.of Paper	Name of Paper	Marks	Hours
(vi)	Life Span Development and Personality Psychology	100	3 hours
(vii)	Psychological Assessment	100	3 hours
	Optional Papers : Two papers from any one of the three groups		
	Group A : Psychology of Management		
(viii)	Organizational Behaviour Management	100	3 hours
(ix)	Human Resource Development and Management	100	3 hours
	Group B : Psychology of Education		
(viii)	Educational and Instructional Psychology	100	3 hours
(ix)	Guidance and Counselling Psychology	100	3 hours
	Group C : Clinical Psychology		
(viii)	Clinical Diagnosis and Community Mental Health	100	3 hours
(ix)	Psychotherapeutic Counselling	100	3 hours
(x)	Practicum	100	4 hours

PAPER – VI (COMPULSORY)

LIFE SPAN DEVELOPMENT AND PERSONALITY PSYCHOLOGY

M.M. - 100

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

- UNIT – I** Scope, Nature and Principles of development, Factors influencing development: Heredity, Environment, Motivation, Learning. Methods; Cross-sectional, longitudinal approach, Research strategies: Correlation, Experimental and other sequential techniques. The Developmental tasks and theories of Development.
- UNIT – II** How life begins, Infancy, baby hood and childhood. Characteristics, adjustment, hazards and Physical, Emotional, Social and Personality Development.
- UNIT – III** Adolescence, Adulthood, Middle and Old age- Characteristics. Physical, Social, Cognitive and Spiritual development psychosocial Changes and adjustment.
- UNIT – IV** Personality Meaning and Concept of Mature Personality, Theories of Personality, Psychodynamic: Approach Freud, Erikson, Adler. Trait: Approach Allpert, Cattell and Eysenck, Cognitive: Approach Kelly, Behavioural Approach Bandura.
- UNIT – V** Humanistic approach: Maslow & Rogers, Indigenous concept and Models of Personality – Yogic, Sankhya and Buddhist View. Structure, Dynamics, Development and Current Researches in the field of Personality.

BOOK RECOMMENDED :

1. Baltes, P.B. & Brim O.G. (1978): Life span development behaviour, N. Y. Academic Press.
2. Thomas, M. R. (2000): Recent theories of Human Development, thousand Oaks: sage Publication.
3. Zanden, J.W. & Vander (1997): Human Development (7th Ed.) New York: Mc Graw Hill.
4. Elizabeth B. Hurlock (1977): Development Psychology. A life span approach, (5th Ed.)
5. Jere E. Brothy & Sherry L. Willis (1981): Human Development and Behaviour, St. Maitins Press, NY.
6. Liebert, R.M. & Spiegler, M.P. (1993): Person aligy: Strategies & issues, P.C. California Books Cole Pub. Co.
7. Hall C.S. and Lindsey, G. (1996) theories of Personality N.Y.J. Wiley & Sons.
8. Pervin L.A. (1975): Psychology of personality readings in theory, Chigos. Rand Meznally College Lab.
9. Sinha J.N. (1969) : Indian Psychology, Calcutta.
10. Mukkopadhyay, Swami Niranjanand Saraswati Yoga Darshan Munger : Bihar School of Yoga.

PAPER – VII (COMPULSORY)
PSYCHOLOGICAL ASSESSMENT

M.M.- 100

NOTE: This paper consist of five units. From each unit minimum two questions will be set and candidates will have to be answer one question from each unit.

UNIT – 1 Nature of Psychological Assessment, Differences between Physical & psychological assessment. Problems in Psychological Assessment., Levels of Assessment.

UNIT – II **Scaling:** Unidimensional and Multidimensional. Scale construction techniques. Difference among tests, scales, questionnaire and schedule. Characteristics of a good psychometric test. Difference between psychometric and projective technique.

UNIT – III **Construction of Psychometric tools:** Step in test construction. Item writing, Pretry out, item difficulty level, discrimination power Reliability; Concept, type, method of determining reliability, Validity: Factors affecting reliability and validity. Norms: Types, uses and method to determine various types of norms.

UNIT – IV Cognitive and Non-Cognitive Tests
(a) Major Tests of Intelligence, Aptitude and Achievement developed under Western and Indian Cultural Setup.
(b) Projective and Psychometric tests of Personality, adjustment, Values Interest, Stress and Anxiety developed under Indian and Western conditions.
(c) Psycho-Physical and Neuro-Psychological test.

UNIT – V (a) Adaptation of tests.
(b) Test taking Response Styles: Social desirability, Acquiescence and Faking.
(c) Psychological testing in Applied Field of Life: Diagnosis, Psychotherapy, Education, Occupations and Organizations.

BOOK RECOMMENDED :

1. Anastasi, A. (1988) Psychological Testing London: Mc Millan Publishing Co. Crowback. L.J. Essentials of Psychological Testing.
2. Rreeman F. Theory and Practice of Psychological Testing.
3. Gheselli Theory of Psychological Measurement New Delhi Tata HeGraw Hill Publication.
4. Guilford, J.P. Psychometric Methods. New Delhi Tata Mc Graw Hill.
5. Nunally, J.C. Introduction to Psychological Measurement, Tokyo: Mc Graw Hill.
6. Nunally, J.C. Psychometuric Theory, New Delhi: Tata Mc.Graw Hill Publishing Co.

GROUP - A
PAPER – VIII (OPTIONAL)
ORGANIZATIONAL BEHAVIOUR MANAGEMENT

M.M. - 100

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

- UNIT – I** Historical overview of the field Old and Emerging forms of organizations, Psychological processes in organizations: person, learning principles perceptions and motivation.
- UNIT – II** Organizations Processes: Influence and power in organization leadership: Nature and theories of communication. Barriers, effectiveness, current issues, role of T.A. in communication decision making, nature of rational process of decision-making. Group decision-making, techniques of good DM.
- UNIT – III** Interpersonal Processes in organizations: Group dynamics and team work in organization, conflict, decision Making negotiation in organization, Union Management interface, TQM, bench marking, Re-engineering, changing organizational culture.
- UNIT – IV** Marketing Research: Nature and function: consumer behavior, sales promotion strategies.
- UNIT – V** Organizational change and development: Managing the OD process, OD approaches and techniques, theoretical development and emerging OD technique, organization change, process and models.

BOOK RECOMMENDED :

1. Udai Pareek: Organizational learning R. Gibson (1997) Rethink the future London Nicholas Brealey Publishing.
2. Luthans Fred: Organizational Behaviour (1995) Mc Graw Hill international Edition.
3. Stephens P. Robbins: Organizational behaviour (9th edition) (2000) Prentie Hall India, New Delhi 110001.
4. Jerald Greenbery, Robert, A aburon: Behaviour in organization (1999) PrentieHall of India. New Delhi 110001.

GROUP - A
PAPER – IX (OPTIONAL)
HUMAN RESOURCE DEVELOPMENT AND MANAGEMENT

M.M. - 100

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

UNIT – I Some assumptions about HRM, Structure and Role of HRM. The Indian Contest of HRM Models of HRM. Current and future Challenges to HRM.

UNIT – II Human Resource Planning: Steps and stages in manpower planning. Structure of manpower planning HRD in India. Job analysis and job design. Recruitment and selection. Job and Careers in HRM

UNIT – III Performance appraisal, Factors distorting appraisal and how to improve appraisals. Type of appraisal system., wage and salary administration. Employment incentive.

UNIT – IV Human Resource policies and practices, changing trends in work environment, developing the human resource, the employment relationship. Professional bodies.

UNIT – V Maintaining Human Resource: Safety and Health Stress Management, Labour Relations and Collective Bargaining. Employee involvement, Employee counselling.

BOOK RECOMMENDED :

1. Human Resource Management. A contemporary perspective I. Board Well & Holden.
2. Personnel Human Resource Management. D.A. centre & S.P. Robbins.
3. Designing and Management. Human Resources Systems U. Pareek & T.V. Rao.
4. Human Resource Management. Fisher. Scheenfeldt and show.

GROUP - B
PAPER – VIII (OPTIONAL)

EDUCATIONAL INSTRUCTIONAL PSYCHOLOGY

M.M. - 100

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

UNIT – I Conceptual and theoretical perspectives in Educational Psychology. Theories, Behaviouristic, Social learning and Piaget and their application in teaching. Information processing Models, Instructional Models, Programmed learning concept, Characteristics and models.

UNIT – II Human diversity and education.
Learning styles: Nature, approaches to learning style, measurement of learning styles, attempt to modify learning styles.
Individual and group differences in intelligence. Theories of intelligence, multiple intelligence, Gender differences issues in the classroom. Multilingualism and minority language issues in education, tongue education, bilingual or multilingual education.

UNIT – III Effective Teaching and Classroom Management
Planning and setting objectives for Teaching, Taxonomy of objectives. Types of objectives and their utility, characteristics of effective teachers. Teaching methods instruction lecturing and explaining, questioning, aptitude – treatment interaction, student centred teaching, individualized instruction, class room management and teaching in small groups: The discussion method and cooperative learning, computer-assisted instruction.

UNIT – IV Exceptionality and social education:
Categories of exceptionality, labeling and educational relevance Physically disabled students, students with cognitive disabilities, brain dysfunction and communication disorders.
Students with emotional and behavior disorder. Attention deficit disorder (Add), attentional deficit hyperactive disorder (ADHD), Gifted and talented students. Intervention and special education for various forms of exceptionality, mainstreaming.

UNIT – V Educational Assessment
Measurement and evaluation (Norm reference and criteria referenced tests), Test scores- meaning and types, standardized test: Meaning Types and interpretation Classroom assessment and grading: Techniques of Class room evaluation. Observation, questionnaire.

BOOK RECOMMENDED :

1. De Secco, J.P. & Croford, W.R. : The Psychology of Learning and Instruction, New Delhi. Prentice Hall.
2. Ellis, R.S.: Educational Psychology, A Problem approaches affiliated, New Delhi, ease West Press.
3. Bruce & Marshvell : Models of Teaching (2nd Ed.) 1980.
4. Travers, J.F. : Educational Psychology (2nd Ed.) 1979.

GROUP - B
PAPER – IX (OPTIONAL)
GUIDANCE AND COUNSELLING

M.M. - 100

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

- UNIT – I** Definition, Nature, Need and Functions of Guidance and Counselling. Counselling and Psychotherapy. Intervention, Goal and objectives of Counselling.
- UNIT – II** Techniques of Appraising the client: Standardized and Non-Standardized Techniques, Intelligence, Personality, Aptitude and Interest. Observation, Auto biography, Case study, interview, Rating scales.
- UNIT – III** Approaches of Counselling: Directive, Non-directive, Eclectic. Individual and group counselling. Evaluation of counselling. Follow up and placement services.
- UNIT – IV** Characteristics of a good Counsellor. Counsellors, Training Organization of guidance program in educational institution. Relevance of guidance under 10+2+3 educational pattern. Issues and trends in guidance and counselling. Ethical standards.
- UNIT – V** Special areas of Guidance and Counselling: Vocational, Marital, Educational, Family. Counselling for the pre-school and elementary school children adolescent.

BOOK RECOMMENDED :

1. Lewis, E.C. (1970): Counselling Psychology, New York, Holt Rinehart and Winster, Inc.
2. Harson, J.C. (1978): Counselling Processes and Procedures. New York, McMillan Publishing Co. Inc.
3. Narayan Rao. S. (1981): Counselling Psychology, New Delhi, Tata McGraw Hill.
4. Kemp. C.G. (1970): Foundations of group counselling., New York, McGraw Hill.
5. Steffler, B.(Ed.) 1965. Theories of counselling, New York, McGraw Hill Book Co.
6. Warters, J. (1964): Techniques of counselling, New York, McGraw Hill Book Co.
7. Rappaport, D. Gill, M.M. and Schafer, R. (1968): Diagnostic Psychological testing. (Revised edition, edited by Holt, R.R.) New York, International Universities Press.
8. Anastasi, Z. (1992): Psychological Testing (Seventh Ed.) New York, McMillan.

GROUP - C

PAPER – VIII (OPTIONAL)

CLINICAL DIAGNOSIS AND COMMUNITY MENTAL HEALTH

M.M. - 100

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

- UNIT – I** History and current trends. Approaches: Psychodynamic, Behaviouristic, Humanistic, Cognitive and Socio-cultural.
- UNIT – II** Clinical diagnosis: Symptomatic vs. dynamic. Symptomatic diagnosis: ICD-10, DSM-IV (R). Dynamic diagnosis: Observation, Case history and Interview.
- UNIT – III** Clinical Assessment : Basic principles, Psychometric tests: MMPI, WAIS & WISC. Projective tests: Rorschach & TAT.
- UNIT – IV** Impressionistic approach of diagnosis: Informal assessment, Psycho-Physiological Assessment: EEG, ECG, and PGR, Blood pressure, Pulse-rate; Neuro-Psychological testing. Clinical report writing.
- UNIT – IV** Community Psychology: Perspectives of Community Psychology, Social Interventions: Methods and Strategies.

BOOK RECOMMENDED :

1. Iscope, I.; Block B.L. and Spielberger, C.D. (eds) Community psychology: Perspectives in training and research. NY: Appleton, 1977.
2. Mann. A.P.; Community Psychology: Concepts and applications. Free Press, 1978.
3. Rapaport, J. Community Psychology: Values, Research and action. NY : Holt Rinehart. 1977.
4. Korchin, S.Modern Clinical Psychology. Harper and Row, 1978.
5. Wolman, B.B. (ed) Handbook of Clinical Psychology, Mc Graw Hills, 1972.

GROUP - C
PAPER – IX (OPTIONAL)
PSYCHOTHERAPEUTIC COUNSELLING

M.M. - 100

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

- UNIT – I** Psychotherapeutic Counselling: Psychoanalytic Technique, Behavioural. Technique, Client centered technique, Community interventions and Group therapeutic techniques.
- UNIT – II** Methods for Altering Maladaptive Behavioural deficits: Shyness, delinquency, depression, speech and sexual dysfunctions.
- UNIT – III** Methods for altering maladaptive behavioural excesses: Excessive smoking, alcoholism, drug addiction and temper-out burst, physical aggression.
- UNIT – IV** Methods of altering inappropriate behaviour: Marital maladjustment, child-misbehaviour, homosexuality, and exhibitionism.
- UNIT – V** Methods for altering fears and anxiety and treating psychophysiological disorders: test-anxiety, generalized anxiety, stress, school phobia, snake phobia, combination of fears, CHD, asthma and peptic ulcer.

BOOK RECOMMENDED :

1. Carson & Butcher : Abnormal Psychology and modern life.
2. Wolpe, R. & Dryden, W. (eds) (1996) : Handbook of counselling psychology, New Delhi
3. Woolberg, L.R. (1998) : The Techniques of Psychotherapy, Barcour Brace : Groune and stration.
4. Toukimarian, S.G. & Rennie D.C. (1992): Psychotherapy Process and Research, Sage
5. Gelso; C.J. and Fretz, B.R. (1995): Counselling Psychology, Bangalore, Prism Books Ltd.
6. Abate, L. & Milan, M.A. (ed.) (1985) : Handbook of social skill training & Research, New York: John Wiley & Sons.
7. Gorey, G (1986) Theory and Practices of Counselling and Psychotherapy, Monterey California, books colely publishing.
8. Adelson, D. & Kalis, B.L. (1970) : Community Psychology and Mental Health. Perspectives Seanto.
9. Mann. A.P. (1978): Community Psychology : Concepts and applications, Free Press.
10. Iscoe. I. Block, B.L. & Spielberger, C.D. (eds.) (1977): Community Psychology : Perspectives in training and research N.Y. : Appleton.

PAPER – X (OPTIONAL)
PRACTICALS (COMPULSORY)

M.M. - 100

Note :- This Paper Consists of two parts: Part –I and Part – II

PART – I LAB PRACTICALS :-

(Any five of the following to be completed in the Laboratory training.)

1. Knowledge of results.
2. Effect of social support on conformity.
3. Attribution of achievement outcomes.
4. Zeigarnik effect.
5. Level of aspiration as a function of success or failure.
6. Reminiscence in motor learning.
7. Short Term Memory.
8. Effect of group on individual judgement.

PART – I FIELD STUDY

This part of the practical paper comprises of completion of two field studies, one (I) from the area of compulsory papers and another (II) from the area of optional papers of the specialization group.

- (I) Any one of the areas given below from the compulsory papers be selected by the candidate and its field studies be completed under supervision of the departmental supervisor.

DEVELOPMENTAL PSYCHOLOGY:

1. Childhood
2. Adolescence
3. Adulthood
4. Old age
5. Home environment

DEVELOPMENTAL PSYCHOLOGY:

1. Leadership Styles
2. Matured Personality
3. Personality type ‘A’ and ‘B’
4. Neuroticism
5. Psychopathic personality

- (II) candidate is required to complete one field study from the optional group under supervision of a concern teacher. The optional group prescribed along with the areas of specialization is given below:

Optional Group ‘A’ Psychology of Management: Any one of the following:

1. Study of Job Analysis
2. Communication Network
3. Organizational Structures
4. Management Style
5. Role Stress

OR Optional Group ‘A’ Psychology of Education: Any one of the following:

1. Test Anxiety
2. Exceptional Children
3. Teaching Style
4. Educational Guidance
5. Vocational Guidance

OR Optional Group ‘A’ Psychology of Mental Health: Any one of the following:

1. Neuro-Psychological evaluation of a stroke patient.
2. Identification of stressors
3. Drug abuse
4. Study of faith healers
5. Study of yoga or Vipashyana

The distribution of marks of Paper X (Practical) will be as under:

- | | | | |
|----|---------------------------------------|---|----|
| 1. | Conduction of Laboratory experiments. | : | 30 |
| 2. | Completion of Field Study Reports | | |
| | (a) Compulsory area | : | 20 |
| | (b) Optional area | : | 20 |
| 3. | Viva – Voce on Practical | : | 30 |