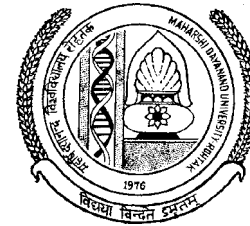


# Maharshi Dayanand University Rohtak



Ordinances, Syllabus and Courses of  
Reading for  
M.A. (Psychology) I & II Semester  
Examination

Session — 2008-2009

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**SCHEME OF EXAMINATION FOR M.A. PSYCHOLOGY**

The entire course will be of four semesters. In each semester, there would be five theory papers and a practical. Total marks for the entire course would be 2800 (700 marks per semester).

There will be five theory papers each carrying 100 marks and a practical of 200 marks in each Semester. All the papers are compulsory.

**M.A. (Semester-I) Psychology 2008-2009**

Paper No.	Nomenclature of the paper	Int. Asstt.	Exam.	Time
I.	Historical and Theoretical Foundation of Psychology	20	80	3 Hr.
II.	Experimental Psychology	20	80	3 Hr.
III.	Bio-Psychology	20	80	3 Hr.
IV.	Fundamentals of Social Psychology	20	80	3 Hr.
V.	Research Methods and Statistics	20	80	3 Hr.
VI.	Practicals		200	6 Hr.
	<i>VI(a) Practicum (i) Experiments/Tests</i>		80	4 Hr.
	<i>(ii) Computer Application in Research</i>		20	
	<i>VI(b) Research (i) Profiling and Cataloguing of Instruments/ Tests</i>	50		2 Hr.
	<i>(ii) Project Report (Literature based Research)</i>		50	

**M.A. (Semester) Psychology 2008-2009**

VII.	Theories of Psychology	20	80	3 Hr.
VIII.	Cognitive Psychology	20	80	3 Hr.
IX.	Physiological Psychology	20	80	3 Hr.
X.	Introduction to Health Psychology	20	80	3 Hr.
XI.	Research Designs and Statistics	20	80	3 Hr.
XII.	Practicals		200	6 Hr.
	<i>XII(a) Practicum (i) Experiments/Tests</i>		80	4 Hr.
	<i>(ii) Computer Application in Research</i>		20	
	<i>VI(b) Research (i) Profiling and Cataloguing of Instruments/ Tests</i>	50		2 Hr.
	<i>(ii) Project Report (Literature based Research)</i>		50	

**M.A. (Semester-I) Psychology 2008-2009****PAPER-I HISTORICAL AND THEORETICAL FOUNDATIONS OF PSYCHOLOGY****Maximum Marks : 100****Int. Asstt. : 20****Examination : 80****Time 3 Hrs.****Note :**

- Nine questions would be set in all.
- Question No. I shall be based on the entire syllabus and would be compulsory. It would contain eight short answer questions of two marks each.
- There would be two questions (16 marks each) from each of the four units.
- Candidates would be required to attempt five questions (one compulsory and selecting on from each unit.)

**Unit-I**

Historical origins :

Historiography : How we study history, Conception of scientific history : The Personalistic history, The Naturalistic history.

Philosophical Issues :

Mind Body problem, Logical positivism, Free will vs. Determination, Scientific Realism and Pragmatism, Demarcation, eastern perspective.

**Unit-II**

The Psychology of Consciousness :

Willhem wundt's thought, legacy and its applied value. Titchner's thought, legacy and applications.

The Psychology of Adaptation :

William Jame's thought, legacy and its implications.

**Unit-III**

The Psychology of Unconscious Mind :

Freud's system of Psychology, revision, systematization and cultural Analysis.

Developing Behaviourism :

Major Behaviourism : Major form contributions of Watson and Criticism of Watson.

**Unit - IV**

Eclectic Psychology :

Tolman's purposive behaviourism, Kantor's Interbehaviourism : thought, legacy and applications.

Contemporary Psychology : Development of Cognitive Psychology ;Antecedent factors, Contributions of Noam Chomsky, Criticism of Cognitive Psychology.

**REFERENCES**

Eysenck, M. W. (2000) **Psychology**, Hongkong : Psychology Press Ltd. publication.

Hergenham, B.R. (1997) **An Introduction to the History of Psychology**. U.S.A. : Brooks Publication.

Leahey, T.H. (1987) **A History of Modern Psychology**. U.S.A. :Prentice Hall International

Schultz, D. and Schultz, S. (2000). **A History of Modern Psychology** U.S.A. : Harcourt Brace & Co.

Viney, W. and King, D.B. (1998) **A History of Psychology**. Boston : Allyn and Bacon.

Weiner, B.B. (1985) **Human Motivation**. Tokyo : Springer verlag Publication.

**PAPER-II EXPERIMENTAL PSYCHOLOGY**

**Maximum Marks : 100**

**Int. Asstt. : 20**

**Examination : 80**

**Time 3 Hrs.**

**Note :**

- a) Nine questions would be set in all.
- b) Question No. 1 shall be based on the entire syllabus and would be compulsory. It would contain eight short answer questions of two marks each.
- c) There would be two questions (16 marks each) from each of the four units.
- d) Candidates would be required to attempt five questions (one compulsory and selecting on from each unit.)

**Unit-I**

Perceptual Processes :

Perception of Depth and Movement; Perceptual Constancy : Brightness Size and Shape.

Perception without Awareness : Perception defence blindsight.

Signal Detection Theory (SDT) : Psychological Procedures, Applications.

**Unit-II**

Conditioning :

Classical conditioning : Temporal Paradigms. Measurement of CR, Related issues : Higher Order Conditioning compound conditioning, Sensory Preconditioning.

Instrumental conditioning :

Positive Reinforcement : effect of Amount and Delay; Negative Reinforcement : Escape and Avoidance.

Schedules of Reinforcement : Interval and Ratio.

**Unit-III****Verbal Learning :**

Methods, Organizational processes, Mnemonics.

**Discrimination Learning :**

Verbal and Nonverbal paradigms, Theoretical basis and Practical implications of Learning Set and Errorless Discrimination.

**Unit-IV****Memory**

Encoding : Processes, Memory Codes, Memory Attributes, Factors Affecting Memory .

Retrieval Processes : Constructive and Reconstructive processes.

Forgetting : Trace and cue dependent basis of forgetting.

**References :**

Anderson, D.C. and Borkowski, J.G. (1978) **Experimental Psychology : Research Tactics and their Applications.** Illinois : Scott Foreman.

D'Amato, M.R. (1979) **Experimental Psychology : Methodology Psychophysics and Learning.** New Delhi : Tata McGraw Hill.

Domjan, M. (2003) **The Principles of Learning and Behaviour,** California : Wadsworth/Thomson.

Goldstein, B.E. (2002) **Sensation and Perception,** USA. Wadsworth.

Kling, J.W. and Riggs, L.A. (1984) **Woodworth & Scholoshberg's Experimental Psychology.** New Delhi : Khosla Pub. House.

Leahey, T.H. and Harries, R.J. (1989) **Human Learning.** New Jersey : Prentice Hall.

**PAPER-III BIO-PSYCHOLOGY**

**Maximum Marks : 100**

**Int. Asstt. : 20**

**Examination : 80**

**Time 3 Hrs.**

**Note :**

- Nine questions would be set in all.
- Question No. 1 shall be based on the entire syllabus and would be compulsory. It would contain eight short answer questions of two marks each.
- There would be two questions (16 marks each) from each of the four units.
- Candidates would be required to attempt five questions (one compulsory and selecting on from each unit.)

**Unit-I**

Nature of Biopsychology : Meaning and approach; Major divisions of bio psychology; Relationship with other disciplines of neuroscience.

Methods of study : Lesion; Brain Stimulation; Scanning methods - CT, MRI, PET : Electrophysiological recordings - EMG, EEG, AEP.

**Unit-II**

Evolution and Behaviour : Human evolution of Brain; Fundamentals of Human genetics - Chromosomes and gene expression.

Neuroendocrine system : Hormones and behaviour ; endocrines; Hormonal basis of sexual development and sexual behaviour.

**Unit-III**

Cells of the Nervous system : Structure and function of a general cell; structure and function of glia; Neurons - structure; Rest and Action potential; conduction of impulse.

Synaptic transmission - the process and its stages;  
Neurotransmitters - various types including peptides.

#### Unit-IV

Gross Anatomy of the Nervous system : peripheral somatic system - spinal and cranial nerves; Autonomic nervous system - Sympathetic and parasympathetic; Spinal cord; Divisions of brain- structure and function.

#### References :

Carlson, Neil R. (2005) **Foundations of Physiological Psychology, 6th ed.** Pearson Education and Dorling Kindersley (India) : New Delhi.

Graham, R. B. (1990) **Physiological Psychology.** California : Wadsworth.

Kalat, J. N. (2001) **Biological Psychology.** California : Wadsworth.

Levinthal, C.R. (1991) **Introduction to Physiological Psychology.** New Jersey : Prentice Hall.

Pinel, John P. J. (2006) **Biopsychology 6th ed.** Pearson Education Inc. and Dorling Kindersley (India) : New Delhi.

Rosenzweig, M.R., Liemen, A.L. and Breed Love, S.M. (1999) **Biological Psychology : An Introduction to Behavioural, Gognitive and Clinical Neuro Sceince.** 2nd Edition Massachusetts : Sinauer.

Singh, I.B. (1982) **A Text Book of Human Neuroantomy.** Delhi : Vikas.

Liberman, D.A. (1990) **Learning : Behaviour and Cognition**

Rock, I (1984) **Perception.** U.S.A. Scientific American Books.

Sekuler, R. and Blake, R. (1994) **Perception.** New Delhi : McGraw Hill.

#### PAPER-IV FUNDAMENTALS OF SOCIAL PSYCHOLOGY

Maximum Marks : 100

Int. Asstt. : 20

Examination : 80

Time 3 Hrs.

#### Note :

- Nine questions would be set in all.
- Question No. 1 shall be based on the entire syllabus and would be compulsory. It would contain eight short answer questions of two marks each.
- There would be two questions (16 marks each) from each of the four units.
- Candidates would be required to attempt five questions (one compulsory and selecting one from each unit.)

#### Unit-I

Growth of social Psychology as a modern discipline; Current trends in Social Psychology.

Social Psychological Theories : Symbolic interactionism, Role theory, Social learning theory, Exchange Theory.

#### Unit-II

Socialization : Agents, Process and Characteristics of Socialization.

Nonverbal Communication- its elements. Attribution processes, Biases in attribution. Impression Formation and impression management.

#### Unit-III

Social Power : Leadership - Perception, Theories and Effectiveness. Social Influence : Conformity, Compliance and Obedience.

#### Unit-IV

Attitude formation, Attitude change, Group dynamics.

Altruism : The Psychology of helping others. Nature of Aggression : Harming other, its prevention.

**References :**

Baron, R. A & Byrne, D. (2205) **Social Psychology, 9th ed. Hindi Translation**. New Delhi : Pearson Education.

Baron, R. A & Byrne, D. Branscombe, N. R.(2007) **Social Psychology** New Delhi : Pearson Prentice Hall.

Fraser, C., & Burchell, B (2001) **Introducing Social Psychology** Malden : Blackwell.

Matsumoto, D & Juang, L. (2004) **Culture and Psychology** London : Wadsworth.

Taylor, S.E., Peplan, L.A. & Sears, D.O. (2006) **Social Psychology**. New Delhi : Pearson Education.

Worchel, S.W., Cooper, J., Goethals, G. R., & Olson, J.M. (2000) **Social Psychology**. London : Wadsworth.

**PAPER-V RESEARCH METHODS AND STATISTICS**

**Maximum Marks : 100**

**Int. Asstt. : 20**

**Examination : 80**

**Time 3 Hrs.**

**Note :**

- Nine questions would be set in all.
- Question No. I shall be based on the entire syllabus and would be compulsory. It would contain eight short answer questions of two marks each.
- There would be two questions (16 marks each) from each of the four units.
- There would be at least four numerical questions (one from each unit) in all.
- Candidates may be allowed to use non-programmable calculators and statistical tables during the examination.

- Candidates would be required to attempt five questions (one compulsory and selecting on from each unit.)

**Unit-I**

Nature of Research :

Research problem, hypothesis and variables (operationalization and control)

Methods of variability : Uses and computation.

**Unit-II**

Methods of Psychological Research

Experimental, Quasi-experimental, Case studies, Field survey and Cross cultural.

Normal Probability Curve (NPC) : Applications and Deviations (Skewness & Kurtosis)

**Unit-III**

Probability and Non-Probability techniques of sampling.

Correlational Research : Nature and applications.

Correlation Methods : Pearson Product Moment Method, Spearman Rank Difference, Coefficient of concordance.

**Unit-IV**

Data collection techniques : Observation, Interview and Questionnaire Special Correlation Methods :Biserial, tetrachoric, Partial Correlation(First order), Multiple Correlation (three variables).

**References :**

Aron, A., Aron, E.N. and Coups, E.J. (2007). **Statistics for Psychology** Delhi : Pearson Education.

Broota, K.D. (1992) **Experimental Designs in Behavioural Research**. New Delhi : Willey Eastem.

Christensen, L.B.(1980) **Experimental Methodolgy** Boston : Allyn and Bacon, Inc.

Elmes, D.G. Katowitz, B.H. and Roediger III, H.L. (2003) **Research Methods in Psychology**. California : Wadsworth - Thomson Learning.

Garrett, H.E. (2005-12<sup>th</sup> Indian Reprint) **Statistics in psychology and Education**. Delhi : Paragon International Publishers.

### **PAPER-VI (A&B) PRACTICUM**

**Maximum Marks : 200**

**Note :-** Examination for the two sections would be held separately.

### **PAPER-VI (A)**

**Maximum Marks : 100**

**Time : 4 hrs.**

**Note :-** There would be two sub parts of the paper - VI (A)

### **PAPER-VI (A) PART-(I)**

**Maximum Marks : 80**

**Time : 4 hrs.**

**Note :-** Candidate would conduct and report atleast 1 practicals (5 experiments + one test) during the examination. Evaluation would be based of file record, performance and viva.

#### **List of Experiments**

1. Determination of separate contribution of Sensitivity and Response Criterion to recognition memory.
2. Identification of Functional Stimulus in serial learning.
3. Demonstration of size constancy.
4. Cue dependent effect on forgetting.
5. Conforming Behaviour in relation to group pressure.
6. Empirical Verification of NPC.
7. Lesion in Egg white - effect of duration and intensity of current.

### **List of Experiments**

1. Assesement of self-concept
2. Assesement of Achivement Motivation
3. Assesement of Anger Expression
4. Assesement of Attribution Styles
5. Assesement of Pro-Social Behaviour
6. Assesement of Attitude towards burning social issue.
7. Sociometry : Preparing Sociogram
8. Ethological observation of social behaviour
9. Structured Interview.
10. Assessment of Trigunatmak Prakariti.

#### **References :**

Goodwin, C.J. (1998). **Research Psychology** New York : John Wiley & Sons Inc.

Haslam, S.A. and Mc Garty, C (2003) **Research methods and Statistics in Psychology**. London: Sage Puiblication

Howitt, D and Cramer, D(2000) **An Introduction to Statistics in Psychology** London : Paerson Education

Jackson S.L. (2003) **Research Methods andStatistics** : California : Wadsworth-Thomson Learning.

Kerlinger, F.N. (1973) **Foundations of Behavioural Research** New york : Holt.

Kidder, L.H.(1981) **Research Methods in Social Sciences** Tokyo : Holt Saunders.

Kline, T. JB. (2005) **Psychology Testing**, New Delhi :Vistaar Publications.

Minimum, E.W. King, B.M. and Bears, G. (1993) **Statistical Reasoning in Psychology and Education**, New York : John O Wiley & Sons Inc.

Myers, A and Hansen, C (2002) **Experimental Psychology** California : Wadsworth - Thomson Learning.

Nation, J.R. (1997) **Research Methods**. New Jersey : Prentice Hall.

Ray, W.J. (2003) **Methods** California : Wadsworth - Thomson Learning.

Shaughnessy, J.J, Zechmeister, E.B. and Zechmeister, J.S. (2000) **Research Methods in Psychology** Boston : Mc Graw Hill.

Siegel, S. (1994) **Non Parametric Statistics**. New York : Mc Graw Hill.

1. Basic functions and applications of computer (Brief Report)
2. Layout of Datasheet (10 variables min.n+10)
3. Computation of graphical Representation (Polygraph/histogram)
4. Computation of graphical Representation
5. Computation of Measures of central tendency (X, Mean, Median, Mode)
6. Basic of Power Point.

**PAPER-VI (B) Profiling of Research Tools and project Report**

**Maximum Marks : 100**

**Time : 4 hrs.**

**Note :-** Examination for the two sections would be held separately.

**PAPER-VI (B) PART-(I) Maximum Marks : 50**

**Note** Candidate would prepare a profile of at least ten instruments and ten tests. The Candidate would be required to report the profile of two research tools (one instrument + one test) during the examination. Evaluation would be based on Profile Record, Report and Viva.

**PAPER-VI (B) PART-(II)**

**PROJECT REPORT Maximum Marks : 50**

**Note** Each Candidate would prepare and submit a typed, literature based supervised project report. Evaluation would be based on project report and viva.

**PAPER-VI (A) PART-(II)**

**COMPUTER APPLICATION IN RESEARCH**

**Maximum Marks : 20**

**Note** Each Candidate would conduct and report 5 techniques from this part. During the Examination the students would be required to see at least one programme. Evaluation would be based on report, performance and viva.

**PAPER-VII THEORIES OF PSYCHOLOGY**

**Maximum Marks : 100**

**Int. Asstt. : 20**

**Examination : 80**

**Time 3 Hrs.**

**Note :**

- a) Nine questions would be set in all.
- b) Question No. 1 shall be based on the entire syllabus and would be compulsory. It would contain eight short answer questions of two marks each.
- c) There would be two questions (16 marks each) from each of the four units.
- d) Candidates would be required to attempt five questions (one compulsory and selecting one from each unit.)

**Unit-I**

Theories of Learning : Pavlov, Skinner and Rescorla.

Hull's mathematics - deductive model, Dollard & Miller, s



### Unit-II

Theories of Intelligence : Spearman, Thurston, Guilford

Sternberg's information processing theory, Gardner's theory of multiple Intelligence, Goleman's theory of emotional intelligence.

### Unit-III

Theories of Creativity : Getzels, Wallace, Torrance

Theories of Personality : Classical : Freud's Psychoanalysis, Jung's Analytical Psychology, Adler's Individual Psychology.

### Unit-IV

Expectancy value theories : Kurt Lewin's field theory, Rotter's theory, Atkinson's model of Achievement motivation.

Theories of Motivation : Maslow's need - hierarchy, Murray's theory of motivation, Alderfer's ERG theory.

### References :

Bower, H.G. and Hilgard, R.E.(1981) **Theories of Learning**.U.S.A. Prentice Hall.

Eysenck,M.W. (2000) **Psychology**Hongkong : Psychology Press Ltd. Publication.

Grager, R. and Fradiman, J. (2007) **Personality and Personal Growth** New Delhi : Pearson Pub.

Pervin, L.A. (1984) **Personality theory and Research** New York : John Wiley Pub.

Weinerm, B. (1985) **Human Motivation**, Tokyo : Springer Verlag Publication.

## PAPER-VIII COGNITIVE PROCESSES

Maximum Marks : 100

Int. Asstt. : 20

Examination : 80

Time 3 Hrs.

### Note :

- Nine questions would be set in all.
- Question No. 1 shall be based on the entire syllabus and would be compulsory. It would contain eight short answer questions of two marks each.
- There would be two questions (16 marks each) from each of the four units.
- Candidates would be required to attempt five questions (one compulsory and selecting on from each unit.)

### Unit-I

Introduction : Domains, Emergence of Cognitive Psychology, Information Processing approach.

Attention : Bottleneck Theories : Broadbent, Treisman, Deutsch and Deutsch. Capacity Theories : Kahnman & Wickens.

Capacity and speed of selection : Johnston and Heinz.

### Unit-II

Pattern Recognition : Template, Feature, Structural, Marr's Computational theories.

Imagery : Dual Coding, Conceptual Propositional, Functional-Equivalency Hypothesis.

### Unit-III

Models of Memory : Modal Model Level of processing, Working Memory, Monohierarchical Model.

Semantic Memory - Feature Comparison, Hierarchical Organization, Spreading activation and HAM Model.

**Unit-IV**

Language : Aspects of Language : Grammar, meaning & sound  
Speech production and speech perception, Speech errors.

Problem solving : Classifying Problems : Arrangement,  
Inducing structure, Transformational problems.

Thinking and Decision Making :

Strategies to Problems solving : Search, Means  
analysis, Analogical Transfer, Diagrams and Representational  
Transfer.

**References :**

Dodd, D.H. and White, R.H. (1980) **Cognition : Mental Structures and Processes**. Boston : Allyn and Bacon.

Eysenck, W.M. and Keane, M.T. (1990) **Cognitive Psychology : A Students Handbook** London : Lawrence Erlbaum.

Goldstein, E.B. (2002), **Sensation and Perception** California : Wadsworth.

Jahnke, J.C. and Nowaczyk, R.H. (1998). **Cognitive**, New Jersey : Prentice Hall.

Matlin, M. W. (1995) **Cognition** Bangalore : Prism Book.

Median, D.L. Ross, B.H. and Markman, A.B. (2005) **Cognitive Psychology** USA : John Wiley.

Reed, K.S. (2000) **Cognitive: Theory and Applications** California : Wadsworth.

Solso, R.L. (2004) **Cognitive Psychology** Delhi : Pearson.

**PAPER-IX PHYSIOLOGICAL PSYCHOLOGY**

**Maximum Marks : 100**

**Int. Asstt. : 20**

**Examination : 80**

**Time 3 Hrs.**

**Note :**

- Nine questions would be set in all.
- Question No. 1 shall be based on the entire syllabus and would be compulsory. It would contain eight short answer questions of two marks each.
- There would be two questions (16 marks each) from each of the four units.
- Candidates would be required to attempt five questions (one compulsory and selecting on from each unit.)

**Unit-I**

Cerebral Cortex : Structure, divisions and functional areas.

Hemispheric Lateralization - asymmetries, handedness; split-brain studies; Language and visuospatial lateralization

Sensory systems : Audition - receptor mechanism and pathway; Vision receptor mechanism and pathway.

**Unit-II**

Motor systems : Muscles as effectors ; Pyramidal motor system; Extra pyramidal motor system.

Ingestive Behaviour : Neural and peripheral mechanisms of thirst and drinking ; Neural and peripheral mechanisms of hunger and eating.

**Unit-III**

Sleep and Waking : Physiological mechanisms of sleep and waking; stages and types of sleep; Disorders of sleep.

Physiology of Emotions : Physiological correlates and their measurement; Neural bases of emotions; Theories - James Lange; Canon Bard; Schachter and Singer.

#### Unit-IV

Biological bases of learning and Memory; Synaptic mechanism. biochemical bases; Cortical mechanisms of learning; Hippocampus and memory; Lobular bases of various types of memories.

#### References :

Carlson, Neil R. (2005) **Foundations of Physiological Psychology, 6th ed.** Pearson Education and Dorling Kindersley (India): New Delhi.

Gazzaniga, M.S. Lvry, R.B. and Mangun, G.R.(2002) **Cognitive Neuroscience : The Biology of the mind 2nd Edition.** New York :W.W. Norton & Company, Inc.

Graham, R.B. (1990)**Physiological Psychology,** California :Wadsworth.

Kalat, J.N. (2001) **Biological Psychology,** California :Wadsworth.

Levinthal, C.R. (1991) **Introduction to Psychology Physiological Psychology.** New jersey : Prentice Hall.

Pinel, John P.J. (2006) **Biopsychology, 6th ed.** Pearson Education Inc. and Dorling Kindersley (India): New Delhi.

Rosenzweig, M.R., Liemen, A.L. and Breed love, S.M. (1999) **Biological Psychology : An Introduction to Behavioural, Cognitive and Clinical Neuro Science.** 2nd edition Massachusetts : Sinauer.

Singh, I.B. (1982) **A Text Book of Human Neuroanatomy.**

Delhi. : Vikas

#### PAPER-X INTRODUCTION TO HEALTH PSYCHOLOGY

**Maximum Marks : 100**

**Int. Asstt. : 20**

**Examination : 80**

**Time 3 Hrs.**

#### Note :

- Nine questions would be set in all.
- Question No. 1 shall be based on the entire syllabus and would be compulsory. It would contain eight short answer questions of two marks each.
- There would be two questions (16 marks each) from each of the four units.
- Candidates would be required to attempt five questions (one compulsory and selecting one from each unit.)

#### Unit-I

Health Psychology ; History, Emergence and Career.

Research Methods of Health Psychology - Descriptive, Experimental,

Quasi experimental and life span.

#### Unit-II

Society and Health : Ethnicity, Social class, Socio-economic status, Gender and Social relations.

Cross Cultural images of Health : Western and Eastern views.

#### Unit-III

Health enhancing Behaviour : Exercise, Accident prevention, Nutrition

Health comprising Behaviour : Alcoholism, Smoking, Obesity.

**Unit-IV**

Positive Psychology and Health : Happiness, Optimism and thriving Health Psychology today and tomorrow : important Lessons, Future Challenges.

**References :**

Carr, A. (2004) **Positive Psychology, The Science of Happiness and Human Strengths.** Hove and New York ;Brunner - Rontledge.

Malhotra, S.M. Batra, P. and Yadava, A. (2007) **Health Psychology Psycho-social Perspective** New Delhi : Common Wealth Publishers.

Roberts, R., Towell, T., and Golding, J.F. (2001)**Foundations of Health Psychology,** New York : Palgrave.

Singh, R., Yadava, A., and Sharma, N.R. (2005) **Health Psychology,** New Delhi : Global Vision Publishing House.

Straub, R.O. (2007) **Health Psychology, A Biopsychosocial Approach** New York : Worth Publishers.

Taylor, S.E. (2003) **Health Psychology.** New York : Mc graw Hill

Yadava, A and Sharma N.R. (2007) **Positive Health Psychology,** New delhi : Global Vision Publishing House.

**PAPER-XI RESEARCH DESIGNS AND STATISTICS**

**Maximum Marks : 100**

**Int. Asstt. : 20**

**Examination : 80**

**Time 3 Hrs.**

**Note :**

- Nine questions would be set in all.
- Question No. 1 shall be based on the entire syllabus and would be compulsory. It would contain eight short answer questions of two marks each.
- There would be two questions (16 marks each) from each of the four units.

- Candidates would be required to attempt five questions (one compulsory and selecting on from each unit.)

**Unit-I**

Levels of Measurement : Nominal, Ordinal, Interval and Ratio.

Research Design : Requirements of good research design, Faculty Research Design

Significance of Difference : Between means of independent and dependent groups.

Sandler's A-test.

**Unit-II**

Experimental designs ;Contrasting Between within and Mixed designs

One factor two groups, multigroup and factorial designs.

Analysis of variance: One way and two way ANOVA for separate groups.

**Unit-III**

Single subject Designs

Quasi Experimental Designs :One group designs, Nonequivalent control group design, Time series design.

Non- Parametric ANOVA - H-test Friedman two way ANOVA.

**Unit-IV**

Research Report writing based on APA Style.

Ethical issues in psychological research.

Non-parametric statistics :Chi Square, Mann Whitney U test, Sign test Wilcoxon matched pairs test.

**References :**

Aron, A., Aron, E.N. and Coups, E.J. (2007). **Statistics for Psychology** Delhi : Pearson Education.

Broota, K.D. (1992) **Experimental Designs in Behavioural Research.** New Delhi : Willey Eastem.

Christensen, L.B.(1980) Experimental Methodolgy Boston : Allyn and Bacon, Inc.

### **PAPER-XII (A&B) PRACTICUM**

**Maximum Marks : 200**

**Note :-** Examination for the two sections would be held separately.

### **PAPER-XII (A)**

**Maximum Marks : 100**

**Time : 4 hrs.**

**Note :-** There would be two sub parts of the paper - VI (A)

### **PAPER-XII (A) PART-(I)**

**Maximum Marks : 80**

**Time : 4 hrs.**

**Note :-** Candidate would conduct and report atleast 1 practicals (5 experiments + one test) during the examination. Evaluation would be based of file record, performance and viva.

#### **List of Experiments**

1. Data / resource limitation and performance
2. Practice and Pattern recognition
3. Knowledge of strategy and problem solving.
4. Context and comprehension.
5. BMI and Helath
6. Effect of Physical activity on pluse rate.
7. Respiratory studt- Anemography.
8. Polygraphic study - under varied emotional conditions.
9. EMG- Under muscular conditions/ psychomotor.
- 10.EEG-Study of alpha

#### **List of Tests**

1. Assesement of Intelligence with a verbal test.
2. Assesement of Intelligence with a non-verbal / performance test.
3. Assesement of Emotional Intelligence with an Indian test.
4. Assesement of Personality with Unstructured Projective test.

5. Assesement of Personality with semi-structured/ structured projective test.
6. Identification of Complexes with a word Association Test.
7. Edward Personal Preference Schedule
8. Tripathi Personal Preference Schedule
9. Health Examination
10. Leddy's Healthiness Scale.

### **PAPER-XII (A) PART-(II) Computer Application in Research** **Maximum Marks : 20**

**Note** Each Candidate would condut and report 5 techniques from this part. During the Examination the students would be required to seen atleast one programme. Evaluation would be based on report,performance and viva.

1. Computation of standard Deviation
2. Computation of Quartile Deviation
3. Computation of t-test
4. Computation of correlation (Pearson)
5. Computation of Average Deviation
6. Computation of Pie-Diagram

### **PAPER-XII (B) PART-(II)**

#### **Report Profiling of Research Tools and Project**

**Maximum Marks : 100**

**Time : 4 hrs.**

**Note** Candidate would prepare a profile of at least ten instruments and ten tests. The Candidate would be required to report the profile of two research tools (one instrument + one test) during the examination. Evaluation would be based on Profile Record, Report and Viva.

### **PAPER-XII (B) PART-(II) PROJECT REPORT**

#### **REPORT**

**Maximum Marks : 50**

**Note** Each Candidate would prepare and submit a types, literature based supervised project report. Evaluation would be based on project report and viva.