

SCHEME OF EXAMINATION FOR M.A. (PSYCHOLOGY)

The entire course will be of four semesters. In each semester, there would be four theory papers and a practical. Total marks for the entire course would be 2000 (500 marks per semester)

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

The two practical examinations would now be held at the end of even Semester. One would be for component 'a' of semester-I & II and the 2nd would be for component 'b' and 'c' of semester-I & II. Both the examinations would be held separately.

M.A. (SEMESTER-I) PSYCHOLOGY 2012-13

Paper No.	Nomenclature of the paper	M.Marks		Time
		Internal Assessment	Exam.	
I	Historical Foundations of Psychology	20	80	3 hrs.
II	Experimental Psychology	20	80	3 hrs.
III	Physiological Psychology	20	80	3 hrs.
IV	Research Methods and Statistics	20	80	3 hrs.
V	Practicum		100	4 hrs.
	<i>V (a) Experiments (50 Marks)</i>			
	<i>V (b) Tests (35 Marks)</i>			
	<i>V (c) Computer Applications in Research (15Marks)</i>			

M.A. (SEMESTER-II) PSYCHOLOGY 2012-13

VI	Theories of Psychology	20	80	3 hrs.
VII	Cognitive Psychology	20	80	3 hrs.
VIII	Bio-Psychology	20	80	3 hrs.
IX	Research Designs and Statistics	20	80	3 hrs.
X	Practicum		100	4 hrs.
	<i>X (a) Experiments (50 Marks)</i>			
	<i>X (b) Tests (35 Marks)</i>			
	<i>X (c) Computer Applications in Research (15 Marks)</i>			

SCHEME OF EXAMINATION FOR M.A. (PSYCHOLOGY) SEMESTER III & IV 2013-14.

There would be four theory papers, each carrying 100 marks and a practical of 100 marks in each semester. Each student would be required to opt four theory papers.

M.A. (SEMESTER-III) PSYCHOLOGY 2013-14

Paper No.	Nomenclature of the paper	M.Marks		Time
		Internal Assessment	Exam.	
XI	Psychological Testing	20	80	3 hrs.
XII	Foundations of Clinical Psychology	20	80	3 hrs.
XIII	Guidance and Counseling – Basic Processes	20	80	3 hrs.
XIV	Social Psychology	20	80	3 hrs.
XV	Neuro Psychology	20	80	3 hrs.
XVI	Foundations of Health Psychology	20	80	3 hrs.
XVII	Child Psychology	20	80	3 hrs.
XVIII	Industrial and Organizational Psychology	20	80	3 hrs.
IXX	Positive Psychology	20	80	3 hrs.
XX	Personality	20	80	3 hrs.
XXI	Practicum		100	4 hrs.

M.A. (SEMESTER-IV) PSYCHOLOGY 2013-14

Paper No.	Nomenclature of the paper	M.Marks		Time
		Internal Assessment	Exam.	
XXII	Psychometrics	20	80	3 hrs.
XXIII	Clinical Intervention	20	80	3 hrs.
XXIV	Guid. and Counseling- Skills and Strategies	20	80	3 hrs.
XXV	Applied Social Psychology	20	80	3 hrs.
XXVI	Neuro Psychological Rehabilitation	20	80	3 hrs.
XXVII	Management of Health and Illness	20	80	3 hrs.
XXVIII	Developmental Psychopathology	20	80	3 hrs.
XXIX	Human Resource Development	20	80	3 hrs.
XXX	Consumer Psychology	20	80	3 hrs.
XXXI	Psychology of Peace and Harmony	20	80	3 hrs.
XXXII	Practicum		100	4 hrs.

M.A. (SEMESTER-I) PSYCHOLOGY 2012-13

PAPER-I

HISTORICAL FOUNDATIONS OF PSYCHOLOGY

M.Mark : 100
Internal Assessment: 20
Examination: 80
Time : 3 hrs.

- Note:-**A) Nine questions would be set in all.
B) 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.
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 other four selecting one from each unit.)

UNIT-I

Historical origins: Historiography: Approach to Historical Investigation, Psychology in History.
Philosophical Issues: Mind vs. Body problem, Free Will vs. Determinism, Sensationalism and Positivism, Mental Passivity vs. Mental Activity, Realism vs. Pragmatism.

UNIT-II

The Psychology of Consciousness: William Wundt's Psychology, Titchener's Structural Psychology, Scientific Phenomenology: Gestalt Psychology, The Fate of Psychology of Consciousness.
The Psychology of the Unconsciousness: Freudian Psychoanalysis, Psychoanalysis after Freud, Legacy; Social Psychoanalysis: Sullivan and Fromm's contribution and their contemporary impact.

UNIT-III

The Psychology of Adaptation
Lamarckian Psychology: Herbert Spencer, American Psychology: William James. The Consciousness Debate: Relational Theory (Neorealism) and Functional Theory (Instrumentalism).
The Rise of Behaviorism: Watson's Behaviorism, legacy; Tolman's Purposive Behaviorism.
Behaviorism and Human Mind: Informal Behaviorism.

UNIT-IV

The Rise of Applied Psychology: Scientific Applied and Professional Psychology Origins of Applied Psychology.
Founding Applied Psychology in the United States: Testing: The Galtonian Tradition in the United States, Articulating Applied Psychology: Hugo Munsterberg.

References:-

- Brenman, J. F. (2004). History and Systems of Psychology (6th ed). Delhi. Pearson Pub.
- Leahey, T.H. (1987) A History of 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. (1998) History of Psychology. Boston: Allyn and Bacon.

PAPER-II

EXPERIMENTAL PSYCHOLOGY

M.Mark : 100
Internal Assessment.: 20
Examination: 80
Time : 3 hrs.

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C) There would be two questions (16 marks each) from each of the four units.
D) Candidate would be required to attempt five questions (one compulsory and other four selecting one from each unit.)

UNIT-I

Perceptual Processes

Perception of Depth: Depth Cues ; Perception of Movement: Real and Apparent Movement;
Perceptual Constancy: Size, Shape and Brightness.
Perception without Awareness: Conceptual issues and Experimental evidence.
Signal Detection Theory: Psychophysical procedures and Applications

UNIT-II

Classical conditioning

Basic procedures : Temporal relations; Measurement of CR; Variables affecting Classical conditioning,
Stimulus Substitution and Preparatory Response theories.
Related Phenomenon : Taste Aversion, Conditioned Emotional Response, Psychosomatic illness.

UNIT-III

Instrumental and Operant Conditioning

Reinforcement and Punishment paradigms; Variables affecting Instrumental conditioning;
Schedules of reinforcement: Fixed and Ratio;
Theories of Reinforcement: Drive Reduction, Relative Value, Equilibrium
Related Phenomenon : Shaping, Chaining, Superstitious Behaviour .

UNIT-IV

Verbal Learning

Methods, Organization Processes, Mnemonics.

Discrimination Learning

Verbal and Non Verbal Paradigms.

Memory

Factors affecting retrieval, Trace and Cue dependent theories of Forgetting

References:

- Anderson, D.C. and Borkowski, J.G. (1978) Experimental Psychology: Research Tactics and their Applications. Illinois: Scott foreman.
- Chance,P.(1988). Learning and Behaviour. California: Wadsworth.
- 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 & Schlosberg's Experimental Psychology. New Delhi: Khosla.
- Leahey, T.H. and Harries, R.J. (1989). Human Learning. New Jersey: Prentice Hall.
- Liberman, D.A. (1990) Learning: Behaviour and Cognition. California: Wadsworth

PAPER-III

PHYSIOLOGICAL PSYCHOLOGY

M.Mark : 100
Internal Assessment: 20
Examination: 80
Time : 3 hrs.

- Note:-**A) Nine questions would be set in all.
B) 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.
C) There would be two questions (16 marks each) from each of the four units.
D) Candidate would be required to attempt five questions (one compulsory and other four selecting one from each unit.)

UNIT-I

Nature of Physiological Psychology: Meaning and approach; Physiological Psychology and neuroscience, Mind –brain relationship.

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

UNIT-II

Building blocks of Nervous system: Neuron- structure, function and types; supporting cell in Nervous system: Glia- structure and function, Conduction of Nerve impulse.

Synaptic transmission – structure of synapse, process of synaptic transmission (chemical events at synapse); Neurotransmitters: types

UNIT-III

Nervous system: Central nervous system (Brain and Spinal cord): structure and function, Peripheral nervous system: Somatic system - spinal and cranial nerves; Autonomic nervous system - Sympathetic and Parasympathetic.

UNIT-IV

Ingestive Behaviour: Drinking and its neural mechanism; Hunger and its neural mechanism.

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

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 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.

M.Mark : 100
Internal Assessment: 20
Examination: 80
Time : 3 hrs.

- Note:-**A) Nine questions would be set in all.
B) 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.
C) There would be two questions (16 marks each) from each of the four units.
D) There would be three numerical questions in all based on Hypothetical data.
E) Candidates may be allowed to use non-programmable calculators and statistical tables during the examination.
F) Candidate would be required to attempt five questions (one compulsory and other four by selecting one from each unit.)

UNIT-I

Methods of Enquiry and scientific approach.
Research: Purpose and approaches.
Variables, Research questions and hypotheses.

UNIT-II

Experimental/Non experimental Methods of Psychological Research:
Experimental, Quasi-experimental, Case-studies, Field survey, Interview, Questionnaire (self-report) Observation.
Normal Probability Curve (NPC) Applications (Area under NPC) and Deviation (Skewness and Kurtosis)

UNIT-III

Sampling Procedures: Probability and Non-probability
Correlation Methods: Pearson, Spearman, Kendall concordance, simple Regression (bivariate)

UNIT-IV

Research and Ethics
Report writing APA style.
Special Correlation Methods: Biserial, Tetrachoric, Partial (First order), Multiple (three variables problem)

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.
Evans, A. N. & Rooney, B. J. (2008). Methods in psychological research. New Delhi, Sage publications.
Evans, A. N. & Rooney, B. J. (2011). Methods in psychological research, 2nd edition. New Delhi, Sage publications.
Garrett, H.E. (2005-12th Indian Reprint) Statistics in Psychology and Education. Delhi: Paragon International Publishers.
Gavin, H. (2008). Understanding research h methods and statistics in psychology. New Delhi, Sage publications.

- Gliner, J. A., Morgan, G. A. & Leech, N. L. (2009). Research methods in applied settings: An integrated approach to design and analysis, 2nd edition. New York, USA, Routledge.
- Guthrie, G. (2010). Basic research methods: An entry to social science research. New Delhi, Sage publications.
- Helode, R. D. (2012). Basics of research in behavioural sciences. Wardha, Psychoscan.
- Howitt, D and Cramer, D (2000) An Introduction to statistics in Psychology. London : Pearson Education.
- Husain, A. (2012). Psychological testing. New Delhi, Pearson publications.
- Minium, E.W, King, B.M. and Bears, G. (1993) Statistical Reasoning in Psychology and Education. New York: John-Wiley & Sons Inc.
- Mitchell, M. L. & Jalley J. M. (2010). Research design – Explained, 7th edition. Belmont, USA, Wodsworth, Wodsworth cengage learning.
- Weathington, B. L., Cunningham, C. J. L. & Pittenger, D. J. (2010). Research methods for behavioural and social sciences. Hoboken, New Jersey, Wiley publications.

Note:- Each students would perform six experiments and six tests from the areas mentioned below. The list of exact problems would be decided by the concerned teachers and approved by the Departmental Committee in the beginning of each semester.

Each student would submit a record file containing a report of all tests, experiments, computer etc. duly signed by the respective teachers. During examination one experiment, one test and one part from computer would be conducted. Evaluation would be based on performance in conduct, written and viva.

Paper-V (a) Experiments (50 marks)

Any six experiments from following areas.

1. Perception
2. Conditioning
3. Verbal learning
4. Forgetting
5. Physiological arousal
6. Discrimination Learning

Paper-V(b) Tests (35 marks)

Two tests from each area.

1. Self
2. Mental Health
3. Personality (objective)

Paper-V (c) Computer Applications in Research (15 marks)

1. (Layout of) Data-Sheet/Data-Entry
2. Central Tendencies
3. Variability
4. Power-Point Presentation on any topic related to syllabus

M.A. (SEMESTER-II) PSYCHOLOGY 2012-13

PAPER-VI THEORIES OF PSYCHOLOGY

M.Mark : 100
Internal Assessment.: 20
Examination: 80
Time : 3 hrs.

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B) 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.
C) There would be two questions (16 marks each) from each of the four units.
D) Candidate would be required to attempt five questions (one compulsory and other four selecting one from each unit.)

UNIT-I

Theories of Learning: Pavlov, Skinner, Guthrie, Tolman, Hull, Bandura.

UNIT-II

Intelligence and Creativity: Thurstone, Stenberg, Goleman's Theory of Emotional Intelligence, Torrance Model of Creativity.

UNIT-III

Personality Theories: Eysenck, Costa & McCrae, Adler, Jung, & Erickson.

UNIT-IV

Motivation Theories: Content Theories (Maslow & Herzberg), Cognitive Theories (Lewin, Porter & Lawler).

References:-

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

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

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

PAPER-VII

COGNITIVE PSYCHOLOGY

M.Mark : 100
Internal Assessment: 20
Examination: 80
Time : 3 hrs.

- Note:-**A) Nine questions would be set in all.
B) 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.
C) There would be two questions (16 marks each) from each of the four units.
D) Candidate would be required to attempt five questions (one compulsory and other four selecting one from each unit.)

UNIT-I

Introduction : Domains, Emergence of Cognitive Psychology, Information Processing approach.
Attention : Bottleneck Theories : Broadbent, Treisman and Johnston and Heinz.
Capacity Theories: Kahnman & Wickens.

UNIT-II

Pattern Recognition : Template, Feature, Structural and Marr's Computational theories.
Imagery : Propositional Theory, Kosslyn's Computational theory, Imagery-Propositional Debate

UNIT-III

Memory : Memory Codes and Attributes ,Level of processing, Working Memory and Monohierarchical Model.
Semantic Memory : Feature Comparison, Hierarchical Organization, ACT Model.

UNIT-IV

Language: Speech Recognition: Phonology, Morphology; Transformational Grammar, Parsing.
Speech Production: Garrett and Dell' Theories, Speech Errors.
Problem Solving: Greeno's Classification of Problems: Arrangement, Inducing structure, Transformational problems; Strategies: Search, Means-End-Analysis, Analogical Transfer; Impediments to Problem Solving

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). Cognition. 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, Johan Wiley.
- Reed, S.K. (2004) Cognition; Theory and Applications. California: Wadsworth.
- Riegler, B.R. & Riegler, G.L.R. (2008).) Cognitive Psychology. NewDelhi : Pearson
- Solso, R.L. (2004) Cognitive Psychology. Delhi : Pearson

M.Mark : 100
Internal Assessment.: 20
Examination: 80
Time : 3 hrs.

- Note:-**A) Nine questions would be set in all.
B) 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.
C) There would be two questions (16 marks each) from each of the four units.
D) Candidate would be required to attempt five questions (one compulsory and other four selecting one from each unit.)

UNIT-I

Evolution and Behaviour: Human evolution of Brain; Behavioural Genetics: Mendalian Genetics, chromosomes, sex linked genes.

Hormones and behaviour : Major endocrines glands and their functions.

UNIT-II

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

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

UNIT-III

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

Biological bases of learning and Memory: Cortical mechanisms of learning; Hippocampus and memory; search for engrams, PET scan and biochemical factors in memory.

UNIT-IV

Cerebral Cortex: Structure, divisions and functional areas. Hemispheric Lateralization - asymmetries, handedness; Split brain studies; Language and Visuospatial lateralization.

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 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.

M.Mark : 100
Internal Assessment: 20
Examination: 80
Time : 3 hrs.

- Note:-**A) Nine questions would be set in all.
B) 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.
C) There would be two questions (16 marks each) from each of the four units.
D) There would be three numerical questions in all based on hypothetical data.
E) Candidates may be allowed to use non-programmable calculators and statistical tables during the examination.
F) Candidate would be required to attempt five questions (one compulsory and other four by selecting one from each unit.)

UNIT-I

Levels of Measurement: Nominal, Ordinal, Interval and Ratio.
Research Design: Characteristics, functions and applications, types.

UNIT-II

Between subject Designs: One factor two groups, one factor multigroup and multifactor designs.
Significance of mean differences: Independent and dependent groups.
Analysis of variance: one way, two way ANOVA for separate groups.

UNIT-III

Within groups Design: Single Subject Designs; Single factor repeated measures; two factor repeated measure designs.
Two or three factors mixed designs with repeated measure on one factor.
A-test, Kruskal Wallis H-test, Freidman two way ANOVA

UNIT-IV

Quasi experimental Design: one group designs, non-equivalent control group designs, Interrupted and multiple time series design.
Non-parametric statistics: Fisher's, Exact Probability Test, Mann-Whitney U-test, Sign-Test, Wilcoxon Matched Paired Test, Chi-Square.

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.
Evans, A. N. & Rooney, B. J. (2008). Methods in psychological research. New Delhi, Sage publications.
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- Helode, R. D. (2012). Basics of research in behavioural sciences. Wardha, Psychoscan.
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- Mitchell, M. L. & Jalley J. M. (2010). Research design – Explained, 7th edition. Belmont, USA, Wodsworth, Wodsworth cengage learning.
- Siegel, S. (1994) Non-Parametric Statistics. New York: McGraw Hill.
- Weathington, B. L., Cunningham, C. J. L. & Pittenger, D. J. (2010). Research methods for behavioural and social sciences. Hoboken, New Jersey, Wiley publications.

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Paper-X (a) Experiments (50 marks)

Any six experiments from following areas.

1. Lateralization
2. Attention
3. Pattern Recognition
4. Memory
5. Problem Solving
6. Language

Paper-X (b) Tests (35 marks)

Two tests from each area.

1. Creativity/Motivation
2. Intelligence
3. Personality (Projective)

Paper-X (c) Computer Applications in Research (15 marks)

1. Correlation
2. Mean Comparisons
3. Graphical representation
4. PPT on any topic related to syllabus.