

DEPARTMENT OF PSYCHOLOGY

UNIVERSITY OF RAJASTHAN

SYLLABUS

M.A./M.Sc. Psychology (Annual Scheme)

Syllabus

1. M.A. / M.Sc. Previous (Annual Scheme)
 - Paper-I: Systems and Theories of Psychology
 - Paper-II: Cognitive Psychology
 - Paper-III: Physiological Psychology
 - Paper-IV: Statistics and Research Methods
 - Paper-V: Practicals/Experiments

2. M.A. / M.Sc. Final (Annual Scheme)
 - Compulsory Papers (Two):
 - Paper-I: Applications of Psychology
 - Paper-II: Social Psychology
 - Optional Papers (Two)
 - Group-A: CLINICAL
 - Paper-III: Fundamentals of Clinical Psychology
 - Paper-IV: Personality
 - OR
 - Thesis
 - Paper-V: Practical/ Testing
 - Group-B: VOCATIONAL
 - Paper-III: Guidance and counselling.
 - Paper-IV: Vocational Psychology
 - OR
 - Thesis
 - Paper-V: Practical/ Testing
 - Group-C: INDUSTRIAL
 - Paper-III: Industrial Psychology
 - Paper-IV: Organizational Psychology
 - OR
 - Thesis
 - Paper-V: Practical/ Testing
 - Group-D: ENVIRONMENTAL
 - Paper-III: Ecological Psychology
 - Paper-IV: Population Psychology
 - OR
 - Thesis
 - Paper-V: Practical/ Testing

प्रमारी अधिकारी
अकादमिक-प्रथम

M.A./ M.Sc. Previous (Annual Scheme)

Paper-I:

Systems and Theories of Psychology

Section-A

1. Psychological Foundations : Pre-scientific Psychology; Wundt, Helmholtz, Weber, Fechner, Galton, Binet, William James, Ebbinghaus.
2. Structuralism and Functionalism : Tichener, William James, Galton and Cattell.
3. Gestalt Psychology : Wertheimer, Kohler and Koffka.

Section-B

4. Psycho-analysis : Freud, Jung and Adler.
5. Post Psycho-analysis : Horney, Fromm, Sullivan and Erikson.
6. Humanistic Psychology : Maslow and Rogers.

Section-C

7. Behaviourism : Watson, Hebb, Lashley and Pavlov.
8. Neo-Behaviourism : Guthrie, Hull, Skinner and Tolman
9. Dynamic and Cognitive Psychology : Mc Dougall and Woodworth; Piaget and Chomsky.

Books Recommended:

- Wolman, B.B. (1960) : Contemporary theories and systems of Psychology, Harper and Bors, N.Y.
- Woodworth, R.S. and Shehon, M.R. (1974) : Contemporary Schools of Psychology Roand Press, N.Y.
- Schultz, D. (1975) : A History of Modern Psychology, Academic Press, N.Y.

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तमारी अधिकारी
अधीनस्थ-मध्य

- Heidebreder, E. (1933) : Seven Psychologies, Appleton Century Crofts.
- Hunter, R. and Macalpine, I. (1970) : Three Hundred Years of Psychology Oxford Univ. Press.
- Fadiman, J. and Frager R. (1976) : Personality and Personal Growth, Harper and Row, N.Y.

Paper-II:

Cognitive Psychology

Section-A

1. Cognition: Concept, Domains and Interdisciplinary Perspective. Research Methods and Tools in Cognitive Psychology.
2. Cognitive Development : Theoretical Perspectives : Piaget and Vygotsky. Neurocognitive Development: Early Neural Development, Environment and lateralization Studies.
3. Consciousness – Definition, Levels and Functions; Theories : Schachter's DICE Model and Baar's Global Workspace Theory.

Section-B

4. Attention : Nature, Functions and Information Processing Theories.
5. Perception : Meaning; Visual Perception-Top down and Bottom up Processing; Models of Visual Recognition.
6. Knowledge Representation and Organization : Meaning and Role of Knowledge. Nature, Criteria, and Formats for Representation. Category Knowledge- Inferential Power and Multimodal Nature. Structures in Category Knowledge-Exemplars and Rules, Prototypes and Typicality, Background Knowledge.


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Section-C

7. Language - Basic Principles, Speech and Spoken Word Recognition, Reading and Visual word recognition, Syntax and Semantics, Language Production.
8. Executive Processes - Definition, Executive Attention, Switching Attention, Inhibition of Response, Sequencing and Monitoring.
9. Problem Solving, Reasoning and Decision Making : Nature and Structure of Problem, Problem Space Theory, Strategies and Heuristics. Analogical Reasoning: Sub-processes and Theories; Inductive Reasoning: Nature, General and Specific Inductions; Deductive Reasoning: Nature, Syllogism-Categorical and Conditional. Nature of Decision, Expected Utility Model, Framing Effects and Prospect Theory.

Books Recommended:

- Reigler, G.R. and Reigler, B.R. (2008). Cognitive psychology. New Delhi: Pearson education.
- Solso, R.L. (2004). Cognitive psychology. New Delhi: Pearson education.
- Srinivasan, N. Kar, B.R. and Panday J. (2010). Advances in cognitive sciences. New Delhi: Sage.
- Sternberg, R.J. (2007). Cognitive psychology. New Delhi. Cengage learning.
- Smith, E.E. & Kosslyn, S.M. (2011) Cognitive Psychology: Mind and Brain, PHI Learning

Paper-III:

Physiological Psychology

Section-A

1. Physiological basis of Behaviour : Central Nervous System, Peripheral Nervous System; Brain : Structure and Functions over the Life Span; Evolution, Mal-development and Behaviour Impairment; Aging and Brain

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अभ्यास-प्रश्न

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2. Information Processing and Nervous System : Information Processing by Neural Circuits; Mechanisms of Excitation and Inhibition; Synaptic Potential, Brain Potentials and Information Processing.

Section-B

3. Control of Behaviour and Motivation, Homeostatic Mechanisms, Eating and Drinking.
4. Brain Mechanisms and Emotion.
5. Neural Mechanisms of Learning and Memory.

Section-C

6. Physiological and Neurobiological Aspects of Sleep and Waking.
7. Hormones and Behaviour: Effects of Hormones on Learning and Memory.
8. Brain Impairment and Language Disorders.

Books Recommended:

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

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अकादमिक-प्रयत्न

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Paper-IV:

Statistics and Research Methodology

Section-A


1. Cumulative Distribution, Graphic Methods and Percentiles; Normal Distribution : Nature of Normal Curve, Measuring Divergence from Normality, Applications of Normal Probability Curve.
2. Correlation : Product Moment Correlation, Biserial, Point Biserial, Partial Correlation and Multiple Correlation, Regression and Prediction Analysis.
3. Significance of Mean, Difference between Means and other Statistics - Mean, Standard Deviation, Percentage and Correlation Coefficient. Testing Experimental Hypothesis - Chi-Square Test.

Section-B

4. Analysis of Variance : One Way and Two Way, General Uses and Limitations of Analysis of Variance.
5. Difference between Parametric and Non-Parametric Tests : Sign Test, Wilcoxon Matched Pairs Sign - Ranks Test; Median Test; Mann -Whitney U Test; Kendall Coefficient of Concordance; Friedman Two Way Analysis of Variance by Ranks.
6. The Language and Approach of Science : Science and Scientific Approach, Problem and Hypothesis, Constructs, Variables and Definitions.

Section-C

7. Designs of Research : Research Design : Meaning, Purposes and Principles, Research Design and Applications; Randomized Groups and Correlated Groups Design.
8. Types of Research : Ex-Post Facto Research, Laboratory Experiment, Field Experiments, Field Studies, Survey Research.
9. Methods of Data Collection : Interview Schedules; Semantic Differential Methodology, Sociometry.


प्रमारी अधिकारी
सहायक-प्रथम

10. Sampling and Randomness, Interpretations of Research Data and Research, Research Report.


Books Recommended:

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

Paper-V:

Practicals/ Experiments

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


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अकादमिक-प्रथम

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