

**M.A./M.Sc. PSYCHOLOGY  
EXAMINATION, 2015-2017**

**PREVIOUS : 2015– 2016**

**DISTRIBUTION OF COURSE**

There shall all be 10 papers in all in M.A./M.Sc.(Psychology Course). 4 Theory Papers and 1 Practical in each year i.e. M.A.(Previous)/M.Sc.(Previous) for Academic Session 2015-2016. There will be following courses as per details given below :

Class	Paper	Nomenclature NO. of the Paper	Marks Allotment	No. of Periods (of 45 Min. duration each) to be taken per Week
M.A./ M.SC. Prev.	I	History of Scientific Psychology	100	4
	II	Experimental Psychology	100	4
	III	Research Methodology	100	4
	IV	Psychological Statistics	100	4
	V	Practicals	150	18*

\*6 Periods corresponding to each of the three theory papers except History of Scientific Psychology.

## FINAL (2016-17)

### **Scheme of examination for theory papers: As Per University Norms .**

In Practical examination of M.A./M.Sc.(Prev.) out of 150 marks, 50 marks will be for practical work of each of the three areas, namely – Experimental Psychology, Research Methodology and Psychological Statistics and that similarly in Practical Examination of M.A./M.Sc. (Final) out of 200 marks, 50 marks will be for practical work of each of the four areas namely, Social Psychology, Psychometrics and Scaling and Special Papers offered.

The distribution of 50 marks for practical examination in each of the areas will be 10 marks for practical record, 30 marks for conducting practical work assigned in the Examination and 10 marks in viva-voce Examination.

The Practical Examination will be conducted by a Board of Examination consisting (a) External Examiner, (b) Internal Examiner.

The marks in the practical record books will be given by teacher concerned only. The marks on conduction of experiments will be given jointly by the external and internal examiners and on the answer books, the examiners will give the distribution of marks as mentioned above.

Any one of the three special groups, namely, Educational Psychology, Clinical Psychology and Industrial Psychology may be offered by a candidate, subject to the approval of departmental committee. Dissertation of 150 marks (Minimum Pass marks 37) may be offered in lieu of one of the theory papers of the group opted by a regular P.G. Final year student (who has cleared all the five qualifying papers of the P.G. Previous Examination and has secured at least 60% marks in the aggregate of all the five papers) under a supervisor subject to his willingness to supervise. The Dissertation in triplicate duly forwarded by the Supervisor & Head concerned will be submitted in the University Office two weeks before the commencement of theory examination in the subject, otherwise late fee will be charged as prescribed by the University. As per the University rules, the dissertation will not be accepted later than 75 days after the completion of theory examination in the subject, otherwise the result of the candidate will be declared at the next ensuing examination. The Dissertation will be evaluated by external examiner.

Students not submitting practical records in time will be awarded ZERO in it.

This is applicable for the courses involving practicals allotment of marks for practical records would be based on punctuality, sincerity, innovativeness, theorization and question raising qualities of the student in their handling of the experiments. Besides due credit will be given to their knowledge and reference work done in the area. As regards conducting Practical experiments in the examination, due weightage would be given by

the examiner for designing the experiments, writing report, use of statistics analysis of results, interpretation of results. In viva-voce examination, the theoretical concept and issue of these relevant phenomena and process besides knowledge in experimental psychology will be tested.

A student having offered a one of the following subject, Chemistry, Zoology, Psychology, Mathematics, Statistics, Geography, Home Science in his/her B.Sc. Degree will be eligible for Admission to M.Sc. (Previous) Psychology and as such he/she will be conferred M.Sc. Degree in Psychology after passing M.Sc. Final Examination. There will be an organized educational tour for postgraduate students accompanied by teachers once a year which is essential in order to make them conversant with recent researches and studies being conducted in important laboratories and institutions in the area of specialization offered by the students and necessary funds will be provided by the University authorities for organizing such an Educational tour annually.

**M.A./M.Sc. (PREVIOUS) PSYCHOLOGY**  
**PAPER CODE : 4561**  
**PAPER-I : HISTORY OF SCIENTIFIC PSYCHOLOGY**

**UNIT-I**

Old Schools of Psychology and their decay – Structuralism, Functionalism.

Contributions of early philosophers to the development of Modern Psychology.

**UNIT-II**

Beginnings of Experimental Psychology - Weber, Fechner, Helmholtz, Wundt, Kulpe, Ebbinghaus.

Development of Modern Psychology in Germany Hering Brentano, G.E. Muller.

**UNIT-III**

Development of Modern Psychology in Austria, Psychology of Act and Content.

Development of Modern Psychology in Britain; Darwin's Theory of Evolution, Galton's Contribution.

**UNIT-IV**

Development of Modern Psychology in America-Hall; J.M.K. Cattell. R.B. Cattell, Eysenck, Baddley and Boradbent.

Later trends in Modern Psychology-Associationism, Behavioursim and Neo-Behavioursim, Gestalt Psychology; Kohler, Koffka, Werthemier.

**UNIT-V**

Dynamic Psychology-Psyhoneurosis, Hedonism, Psychoanalysis; Purposism, basic features, its implication.

Development of Psychology in India – since 1950. Industrial Psychology, Social Psychology and Personality.

## BOOKS RECOMMENDED:

1. Boring, G.E. : History of Experimental Psychology
2. Murphy : Historical Introduction to Modern Psychology
3. Chaplin & Mraivec : System and Theories of Psychology
4. Marx & Hillix : System and Theories of Psychology
5. Flugel : Hundred years of Psychology
6. Heidbreder : Seven Psychologies
7. Woodworth : Contemporary Schools of Psychology
8. Dennis : Current Trends in Psychology
9. Wolman, B. : Contemporary Theories and Systems in Psychology
10. Spearman : Psychology Down the Ages
11. Sharma, R.N. : Indian Psychology
12. Bret : History of Psychology
13. Akhilanand : Hindu Psychology
14. Sahoo : Psychology in India Context. Hariprasad Bhargava, Kacherighat, Agra
15. Buch (Edt.) : A Survey of research of Psychology, I.C.S.S.R., New Delhi.
16. के. एन. शर्मा : मनोवैज्ञानिक विचारधारा का इतिहास, सम्प्रदाय, सिद्धान्त एवं  
आधुनिक प्रवृत्तियों, हरप्रसाद भार्गव, कचहरी घाट, आगरा
17. शर्मा : मनोविज्ञान की पद्धतियों एवं सिद्धान्त, हरप्रसाद भार्गव, कचहरी  
?kkV] आगरा
18. ओझा : मनोविज्ञान के सिद्धान्त एवं सम्प्रदायए हरप्रसाद भार्गव, कचहरी  
?kkV] आगरा
19. जयप्रकाश : आधुनिक विज्ञान की ऐतिहासिक पृष्ठभूमि, हरप्रसाद भार्गव, कचहरी  
?kkV] आगरा
20. शर्मा रामनाथ : मनोविज्ञान का इतिहास, हरप्रसाद भार्गव, कचहरी घाट, आगरा
21. शर्मा : मनोविज्ञान के समुदाय, हरप्रसाद भार्गव, कचहरी घाट, आगरा
22. Mitra, S.K. : Survey of I.C..S.SR in Psychology, Popular  
Prakashan, Bombay
23. Pandey, Janak : State of Art in Psychology Vol., I, II&III,  
Popular Prakashan, Bombay
24. Woolman : Biographical Dictionary of Psychology,  
Academic Press, 1996, New York.
25. Pervin, L..S : Theories of Personality, John Wiley & Sons,  
(1994) New York.

**M.A./M.Sc. (PREVIOUS) PSYCHOLOGY**

**PAPER CODE : 4562**  
**PAPER-II : EXPERIMENTAL PSYCHOLOGY**

**UNIT-I**

Experimentation: Introduction, Definition, Nature, Scope and Importance of Experimental Psychology.

Perceptual Phenomenon: Three Points of View – Principles of Perceptual Organization, Motivation and Attitudinal Determinants of Perception.

**UNIT-II**

Dynamics of Perception: Projection Dynamics – Figural after effect, perception of Movement and Depth, Central Dynamics – Space Perception Perceptual Constancy.

Learning Classical conditioning : Instrumental conditioning, Operant conditioning.

Nature and Properties : Discriminative and Non-discriminative learning Factors affecting conditioning.

**UNIT-III**

Paradigms of Discrimination learning : Sample two Choice, conditional, matching to sample, oddity, delayed response, concurrent..

Verbal Learning : Basic determinants, Organization and Transfer properties.

**UNIT-IV**

Ebbinghaus experiment on Forgetting, Paradigms of Transfer and Retroaction; Habit Interference Zeigarnik effect; Jost's Law.

Gestalt and Behaviouristic interpretation of Problem solving, Experimental characterization of problem solving, effect of set on problem solving.

**UNIT-V**

Creative Thinking: Imageless thought, concept formation: Experimental studies and factors.

Motivation: Nature and Types. Theory of Achievement, Motivation: A theory of Valance Co-utility.

### BOOKS RECOMMENDED:

1. Osgood C.E. : Methods and Theory in Experimental Psychology
2. D. Amato : Experimental Psychology
3. Woodworth and Schlosberg : Experimental Psychology
4. Kintsch : Learning, Memory and Conceptual process.
5. McGuigan : Experimental Psychology
6. Underwood : Experimental Psychology
7. Helson & Bevan : Contemporary Approaches in Psychology
8. Vinacke : Psychology of Thinking
9. Rausell, R.B. : Experimental Methods
10. Stevens, S.S. : Handbook of Experimental Psychology
11. Kothurkar V.K.S. : Experimental Psychology
12. Kling, J.G. : Wood worth & Schools berg's Experimental Psychology
13. Tiwari : Experimental Psychology
14. Chaube, SP : Experimental Psychology, Laxminaraian Agarwal, Agra
15. Parmeshwaran, EG and K Ravichandra : A laboratory manual, Seema Pub. Co., Delhi, 1983
16. त्रिपाठी : प्रायोगिक मनोविज्ञान
17. षर्मा : प्रायोगिक मनोविज्ञान
18. प्रीति वर्मा एवं डी.एन. श्रीवास्तव : आधुनिक प्रयोगात्मक मनोविज्ञान
19. मखीजा, गोपालकृष्ण : मनोविज्ञान में प्रयोग
20. अग्रवाल माखीजा : प्रयोगात्मक मनोविज्ञान
21. श्रीवास्तव : प्रयोगात्मक मनोविज्ञान
22. डॉ० गोविन्द तिवारी एवं रामपाल रू अभिनव प्रयोगात्मक मनोविज्ञान
23. John W-Atkinson : An Introduction of Motivation: D Van Nostrand Company, Inc., New York. Affiliated East-West Press Pvt. Ltd. New Delhi  
Popular Prakashan, Bombay
24. Broota, K.D. : Experimental Design in Behaviours Research, Eastern Wiley, New Delhi.

**M.A./M.Sc. (PREVIOUS) PSYCHOLOGY**  
**PAPER CODE : 4563**  
**PAPER-III : RESEARCH METHODOLOGY**

UNIT-I

Concept of Science and Scientific Method. Scientific approach in Research, Science and Commonsense, Four methods of knowing science and the function; The aim of Science, scientific explanation and theory; Scientific method of Psychological research.

Problems and Hypothesis: Meaning and its Generality and Specificity; Importance and virtues of problems and hypothesis.

UNIT-II

Constructs, variables and definitions of constructs and operational. Definitions of constructs and variables, Types of variables in Psychological research.

Research Design; Meaning, purpose, principles and design criteria.

UNIT-III

General designs of research: elements of good and poor designs.

Types of Research: Exopost-facto research, Laboratory research, Experiments, Survey research, Field studies.

UNIT-IV

Sampling concept and methods.

Techniques of data collection; Interview, Questionnaire, Observations; Tests, Scales, sociometry; sematic differential method; Critical incidence and Q-sort techniques.

UNIT-V



Research Report writing, Essentials & Characteristics, Type of Report.

Further methods of research design. Latin Square, Randomized blocks, Matched Group and Factorial design.

**BOOKS RECOMMENDED:**

1. Kerlinger. : Foundation of behavioural Research
2. Festinger & Katz : Research Methods in Behavioural Sciences.
3. Goode & Hatte : Research Methods of Social Research
4. Galtving : Theory and Methods Social Research
5. Patel, A.S. : Experimental Designs in Behavioural Science.  
Their  
statistical Analysis.
6. Townsend : Experimental Psychology
7. McGuigan : Experimental Psychology
8. Broota, K.D. : Experimental design of Research in Behavioural  
Science
9. Bhatnagar : Experimental design of Research in Behavioural  
Science
10. Blalock and Blalock : Methodology in research; Research Designs and  
Experimental Methods.
11. भटनागर : व्यावहारिक अनुसंधान की विधियों एवं परिमाण
12. कपिल : अनुसंधान विधियों
13. लालच्यन त्रिपाठी : मनोवैज्ञानिक अनुसंधान पद्धति
14. पारसनाथ रॉय : अनुसंधान विधियों

PAPER CODE : 4564  
**PAPER-IV: PSYCHOLOGICAL STATISTICS**

UNIT-I

Meaning, Significance of Psychological statistics, Measures of Central Tendency, Measures of Variability-Q-D, A.D. and S.D.

Measures of relative positions and percentile ranks. Normal distribution properties and its implications.

UNIT-II

Correlation Methods: Meaning, product moment correlation, Spearman's rank difference method, Further methods of correlations, Biserial, Point Biserial, Tetra-choric and Phi-coefficient.

Partial and multiple correlations- Meaning. Partial correlation of coefficient significance of partial correlation coefficient and its interpretation.

UNIT-III

Regressions and Prediction- Regression equations in Deviation and score form. Accuracy of Predictions from Regression equation, standard error of prediction Regression effects.

The significance of the mean and of other Statistics-significance of the Mean, Median, Standard deviations, percentages and coefficient of correlation. The significance of the Difference between Means, Standard Deviation's and correlated and uncorrelated groups.

UNIT-IV

Non-parametric statistics-chi-square, sign test, Median test and Mann Whitney U Test

Analysis of variance -one way, two way.

UNIT-V

Factor and Cluster Analysis - Principle and Diagonal Methods, Cluster analysis-B- Coefficient method.

Data Analysis and the computer, Computer Fundamental and components of Computer.

BOOKS RECOMMENDED:

1. Garrett. Statistics in Psychology and Education (Hindi and English Edition).
2. Guilford Fundamental Statistics in Psychology and Education.
3. Edwards Statistical Methods in Behavioural Research. 4. McNemar Psychological Statistics
- 5 .Gupta An Introduction to Statistical Methods
6. Dawnie & Heath Basic Statistical Methods
7. Siegel Non-Parametric Statistic.
8. Srivastava Elementary Statistics in Psychology and Education
- 9 प्रीति वर्मा एवं डॉ.एन. श्रीवास्तव मनोविज्ञान एवं शिक्षा में सांख्यिकी
- 10<sup>प</sup> कपिल सांख्यिकी के मूल तत्व
- 11<sup>प</sup> लाभसिंह, द्वारका मनोविज्ञान एवं वैश्विक सांख्यिकी के मूल आधार प्रसाद एवं महेश भार्गव
- 12<sup>प</sup> त्रिपाठी, रघुवंश अप्राचलित सांख्यिकी, हयप्रसाद
13. Chadha, N.K and Sehgal, P.R.L. Statistical Methods in Psychology New Delhi (E.E.P.) (1984)

PAPER CODE : 4565  
PAPER - V: PRACTICAL

A student will be required to conduct Six Practicals in each of the areas as specified below:

EXPERIMENTAL PSYCHOLOGY:

1. Influence of set on Problem Solving 2. Concept Formation.
3. Retroactive Inhibition
4. Discrimination and Generalization
5. Reaction time
6. Span of attention
7. Kinesthetic Figural after-effect
8. Creativity
9. Zeigamik effect
10. Effect of motivation on learning I 1. Depth perception

RESEARCH METHODOLOGY:

(Any six of the following)

- 1 . Interview - Preparation of Interview schedule and administration
2. Observation - Any method.
3. Semantic-Differential Method (S-D Scales.)
4. Scientific Method and Commonsense Method.
5. Reliability of test.

6. Identification of Good and Poor design
7. Validity of test.
8. Preparing factorial design.
9. Ex-post facto design
10. Identification of hypothesis and variable
12. Preparation of Questionnaire.
13. Construction of Attitude Scale.

**PSYCHOLOGICAL STATISTICS:**  
(Any six of the following)

1. To calculate the mean, median and mode.
2. To calculate the A.D. and S.D.
3. To find percentiles and percentile ranks from it.
4. From given limits in the Normal curve to find out percentage of cases.
5. To find out from the given percentage of cases, the limits of the normal curve.
6. To prepare the scattered diagram and calculation product moment correlation.
7. Application of Non-parametric tests.
8. To find out regression equation and standard error of two variables.
9. Analysis of variance. 10. C.R. and 't' Test.
11. To calculate correlation by Biserial/Tetrachoric, Phicoefficient/Partial Correlation.
12. Use of Computer to find out measures of Central tendency/Measures of variability/Correlations.