SCHEME OF EXAMINATION
M.Sc PSYCHOLOGY
(A Choice based Credit System w.e.f. 2019–2021)

In Semester I and II, there would be five core courses (four theory papers and a practical) one Discipline Centric Elective course, a seminar and self study paper presentation in each semester. Each Student will opt for at least one foundation elective (minimum 2 credits) in Semester I.

### M.Sc. Psychology (Semester I & II)
*(Session 2019–2020)*

<table>
<thead>
<tr>
<th>Sem.I</th>
<th>Course Code</th>
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<th>Credit</th>
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**Total Credits:**  C=29; Foundation Elective Course: 2; Seminar: 1; Self study paper:1 = 33

**Total Hours** 33

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**Total Credits:** C= 28; Seminar:1 Self study paper:1 = 30

**Total Hours** 37
**M.Sc. Psychology (Semester III & IV)**
*(Session 2020–2021)*

In Semester III, there would be three core courses (two theory papers and a practical) and two Discipline Centric Elective courses. In Semester IV there would be two core courses(one theory paper and one practical) and three Discipline Centric Elective courses, a seminar and self study paper presentation. Each student has to opt for the discipline specific papers from **one group only, i.e. 1: Clinical & Abnormal Psychology, 2: Guidance & Counselling; 3: Health Psychology** and undertake field work in the area of specialization. Each Student will opt for at least one open elective course (minimum 3 credits) in Semester III.

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<tr>
<th>Nature of course</th>
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<td>CC</td>
<td>PSY-302</td>
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<td>PSY-402-B</td>
<td>or Basics of Guidance and Counselling</td>
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<td>PSY-402-C</td>
<td>or Essentials of Health Psychology</td>
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**Total Credits:** C=9; DCEC: 16; Field Work= 4; Seminar: 1; Self study paper:1

**Total Hours:** 36
M.A. Psychology (Semester-I)
Paper: PSY-101  HISTORICAL AND THEORETICAL FOUNDATIONS OF PSYCHOLOGY

Credits: 4 (Hrs/week: 4)  Total :100 marks
Internal Assessment: 20 marks
Examination : 80 marks; Time : 3 hours

Note: Nine questions would be set and candidates would be required to attempt five questions. There would be two questions (16 marks each) from each of the four units. Candidates would attempt one question from each unit. Unit V would comprise of Question No. IX, which would be compulsory. It shall be based on the entire syllabus and would contain eight short answer questions of two marks each.

Unit-I
Emergence of Psychology as Science of behaviour; Mind-Body-Behavior issue.
Schools of Psychology: Structuralism: contributions of Wundt and Titchener; Functionalism: Antecedents and Pioneers

Unit-II
Psychoanalysis: Freudian and Neo-Freudian : Horney, Fromm.
Individual Psychology: Adler; Analytical Psychology: Jung.

Unit-III
Behaviorism: Watson, Pavlov, Tolman, Hull.
Humanistic-Existential Approach : Rogers, Maslow.

Unit-IV
Theories of Intelligence: Thrustone, Guilford, Goleman.
Theories of Motivation and Emotion: Lewin, James- Lange, Cannon-Bard, Schachter and Singer

Recommended Books:
Paper: PSY-102  EXPERIMENTAL PSYCHOLOGY

Credits: 4 (Hrs/week: 4)

Total: 100 marks
 Internal Assessment: 20 marks
 Examination: 80 marks; Time: 3 hours

Note: Nine questions would be set and candidates would be required to attempt five questions. There would be two questions (16 marks each) from each of the four units. Candidates would attempt one question from each unit. Unit V would comprise of Question No. IX, which would be compulsory. It shall be based on the entire syllabus and would contain eight short answer questions of two marks each.

UNIT I
Perceptual Processes: Perception of Size and Movement: Depth Cues, Size Constancy and Illusions; Perception of Real movement, Types of Apparent Movement.
Pattern Recognition: Prototype, Feature and Structural approach.

UNIT II
Signal Detection Theory: Assumptions, Procedures and Applications.

UNIT III
Instrumental and Operant Conditioning: Appetitive and Aversive; Schedules of Reinforcement; Applications: Shaping and Superstitious Behaviour.

UNIT IV
Verbal Learning: Methods, Organizational Processes; Improving Memory: Imagery and verbal mnemonics, Preparing for Examination.
Memory: Memory Codes and Attributes; Factors affecting forgetting.

Recommended Books:
Paper: PSY-103  SOCIALLY PSYCHOLOGY

Credits: 4 (Hrs/week: 4)  Total :100 marks
Internal Assessment: 20 marks
Examination : 80 marks; Time : 3 hours

Note: Nine questions would be set and candidates would be required to attempt five questions. There would be two questions (16 marks each) from each of the four units. Candidates would attempt one question from each unit. Unit V would comprise of Question No. IX, which would be compulsory. It shall be based on the entire syllabus and would contain eight short answer questions of two marks each.

UNIT I

UNIT II

UNIT III

UNIT IV

Recommended Books:
Paper: PSY-104  RESEARCH METHODS AND STATISTICS IN PSYCHOLOGY

Credits: 4 (Hrs/week: 4)  Total :100 marks
Internal Assessment: 20 marks
Examination : 80 marks; Time : 3 hours

Note: Nine questions would be set and candidates would be required to attempt five questions. There would be two questions (16 marks each) from each of the four units. Candidates would attempt one question from each unit. Unit V would comprise of Question No. IX , which would be compulsory. It shall be based on the entire syllabus and would contain eight short answer questions of two marks each.
Candidates would be allowed to use non-programmable calculators and statistical tables during the examination.

UNIT I
Methods of Enquiry; Scientific Approach; Research: Nature and Types.
Problem and Hypothesis: Research Problem:Characteristics, Formulation and Sources ;
Hypothesis: Nature, Characteristics, Types and formulation
Variables: Types, Control of relevant variables.

UNIT II
Methods of Psychological Research: Experimental; Observation; Interview; Case Study and Questionnaire.
Normal Probability Curve ( NPC): Nature; Characteristics; Applications ( Area under NPC) and Measuring Divergence ( Skewness & Kurtosis)

UNIT III
Correlation Methods: Pearson Product Moment; Spearman Rank-order; Kendall Rank Correlation; Biserial and Tetrachoric.

UNIT IV
Special Correlation Methods: Partial Correlation (First order); Multiple Correlation (Three Variables) and Kendall Method of concordance.
Research Ethics and Report Writing Styles.

Recommended Books:


Paper: PSY-105  

PRACTICALS

Credits : 9(Hrs / week: 18/group)  

Maximum Marks : 100  

Examination Time : 4 hrs

Note:  
Each student would perform six experiments and six tests from the areas mentioned below. The list of exact problems would be decided by the concerned teachers. It would be mandatory for each student to submit a record file containing a report of all tests and experiments duly signed by the respective teachers. During examination one experiment and one test would be conducted. Evaluation would be based on performance in conduct, written and viva.

a) Experiments  
Any six experiments from following areas.  
1. Perception  
2. Conditioning  
3. Memory  
4. Forgetting  
5. Social Conformity  
6. Psychophysics  
7. Ethological observation

b) Tests  
Any six tests from following areas.  
1. Self  
2. Intelligence  
3. Sociometry  
4. Attitude  
5. Aggression  
6. Personality (objective)
Paper: PSY-106          Computer Applications in Psychology
                        Theory

Credits: 3 (Hrs/week: 3)          Total :60 marks

Examination: 60 marks; Time: 3 hours

Note: Seven questions would be set and candidates would be required to attempt four questions. There would be two questions (of six marks each) from each of the three units. Candidates would attempt one question from each unit. Unit V would comprise of Question No. VII, which would be compulsory. It shall be based on the entire syllabus and would contain seven short answer questions of one marks each.

Unit-I
Computer System as Information Processing System; Hardware options: CPU, Input devices, Output devices and Storage devices; PC as a virtual office.
Modern Information Technology: Basic idea of Local Area Networks (LAN), Wide Area Network (WAN), E-mail, Internet Technologies, Concept of world wide web and Internet browsing.

Unit-II
MS Office- Introduction to MS WORD, Word basic commands, Introduction to mail merge; Introduction to Excel, Working with Excel- Formatting, Working with graphics in excel; Introduction to Power Point: Power Point basics, working with graphics in Power Point.

Unit-III
Introduction to Statistical Packages: Usage of SPSS for Descriptive statistics, Graphical representation, Central tendencies and Variability, and Correlation,

Suggested Readings:

Practical

Credits: 1 (2hrs/week)          Marks: 40

Note:
Each student would gain proficiency in the following computer applications. It would be mandatory for each student to submit a report file containing a report of all the computer applications duly signed by the respective teachers. During examination one application would be performed. Evaluation would be based on performance in conduct, written and viva.

1. Layout of Data-Sheet/Data-Entry in SPSS.
2. Central Tendencies
3. Variability
4. Correlation
5. Graphical representation
6. PPT on any topic related to syllabus.
Semester II

Paper: PSY-201 BIOLOGICAL BASES OF BEHAVIOUR

Credits: 4 (Hrs/week: 4) Total :100 marks
Internal Assessment: 20 Examination : 80 marks; Time
marks : 3 hours

Note: Nine questions would be set and candidates would be required to attempt five questions. There would be two questions (16 marks each) from each of the four units. Candidates would attempt one question from each unit. Unit V would comprise of Question No. IX, which would be compulsory. It shall be based on the entire syllabus and would contain eight short answer questions of two marks each.

UNIT I
Nature of Biopsychology: Meaning and approach; Major divisions of Biopsychology; Methods of study and research.
Cells of Nervous system: Neuron: Structure and Types; Conduction of Nerve Impulse; Synapse; Synaptic transmission: Process and stages

UNIT II

UNIT III
Behavioural Genetics: Medalian Genetics, chromosomes, sex-linked and sex-limited genes.
Biological basis of Afferent and Effector: Visual system, Auditory system; Motor system and Endocrine glands

UNIT IV
Biological basis of Ingestive Behaviour: Hunger and Thirst
Biological basis of Sleep: Stages and Types of Sleep; Physiological mechanism of Sleep; Disorders of Sleep.

Recommended Books:
Paper: PSY-202  

COGNITIVE PSYCHOLOGY

Credits: 4 (Hrs/week: 4)  
Total :100 marks
Internal Assessment: 20 marks
Examination : 80 marks ; Time : 3 hours

Note: Nine questions would be set and candidates would be required to attempt five questions. There would be two questions (16 marks each) from each of the four units. Candidates would attempt one question from each unit. Unit V would comprise of Question No. IX , which would be compulsory. It shall be based on the entire syllabus and would contain eight short answer questions of two marks each.

UNIT I
Attention: Filter (Broadbent and Treisman ) and Resource (Kahnman) Theories; Factors affecting Division of Attention.

UNIT II
Semantic and Episodic Memory: Semantic vs Episodic Memory; Level of Processing and Hierarchical Network model.
Prospective Memory: Types and Common Failures of Prospective Memory in Everyday life.

UNIT III
Imagery : Empirical Investigations: Mental Rotation and Scanning; Analogical and Propositional Theory.
Language: Speech Recognition: Phonology, Morphology, Syntax and Parsing.
Speech Production: Theories:Garrett and Dell ; Speech Errors.

UNIT IV
Problem Solving: Strategies of Problem Solving; Blocks in Problem Solving; Finding Creative Solutions.
Cognition in Cross Cultural Perspective: Cross Cultural Studies of Perception, Memory and Categorization.

Recommended Books:
Developmental Psychology

Total : 100 marks

Internal Assessment: 20 marks
Examination: 80 marks; Time: 3 hours

Note: Nine questions would be set and candidates would be required to attempt five questions. There would be two questions (16 marks each) from each of the four units. Candidates would attempt one question from each unit. Unit V would comprise of Question No. IX, which would be compulsory. It shall be based on the entire syllabus and would contain eight short answer questions of two marks each.

UNIT-I
Human development-concept and principles. Factors affecting development: biological, social and cultural.
Prenatal development-development from conception to birth, factors and risks.
Neonate-characteristics, reflex, assessment.

UNIT-II
Infancy-sensory-motor, cognitive-language and psychosocial development.
Childhood-emotional, cognitive & language, psychosocial development: role of family, sibling, peers, school.

UNIT-III
Adolescence-physical changes, relationships with peers and family. Identity formation.
Problems during adolescence.
Adulthood-intimate relationship, vocational adjustment, parenthood
Aging-physical conditions, personal relationships, financial and emotional problems.

UNIT-IV
Theories and approaches of development-Erikson, Piaget (moral and cognitive),
Bronfenbrenner, Kohlberg.

Recommended Books:
Paper: PSY-204  RESEARCH DESIGNS AND STATISTICS IN PSYCHOLOGY

Credits: 4 (Hrs/week: 4)  
Total :100 marks  
Internal Assessment: 20 marks  
Examination : 80 marks; Time : 3 hours  

Note: Nine questions would be set and candidates would be required to attempt five questions. There would be two questions (16 marks each) from each of the four units. Candidates would attempt one question from each unit. Unit V would comprise of Question No. IX, which would be compulsory. It shall be based on the entire syllabus and would contain eight short answer questions of two marks each. Candidates would be allowed to use non-programmable calculators and statistical tables during the examination.

UNIT I  

UNIT II  

UNIT III  

UNIT IV  

Recommended Books:  


Credits: 9 (Hrs/week: 18)

Maximum Marks: 100
Examination Time: 4 hours

Note:
Each student would perform Six experiments and Six tests from Section A and prepare profiles of six tests/instruments. The list of exact problems would be decided by the concerned teachers. It would be mandatory for each student to submit a record file containing a report of all tests and experiments duly signed by the respective teachers. During examination one experiment, one test would be conducted and one profile would be reported. Evaluation would be based on performance in conduct, written and viva.

Section A

(i) Experiments
1. Attention
2. Language
3. Memory
4. Problem Solving
5. Physiological Arousal
6. Motor performance

(ii) Tests
1. Motivation
2. Anger/Agression
3. Personality (Subjective)
4. Memory
5. Family relations/Social maturity
6. Health

Section B

Profiling of Instruments/Tests

Six profiles of Instruments/Tests (at least three instruments) to be prepared. Details of instrument/test and its working/administration, scoring, interpretation, and application would be described.
Paper: PSY-206 Psychological Perspectives to Environmental Issues

Credits: 3 (Hrs/week: 3)  Total :50 marks
Internal Assessment: 10 marks
Examination : 40 marks; Time : 2 hours

Note: Seven questions would be set and candidates would be required to attempt four questions. There would be two questions(of 10 marks each) from each of the three units. Candidates would attempt one question from each unit. Unit V would comprise of Question No. VII , which would be compulsory. It shall be based on the entire syllabus and would contain five short answer questions of two marks each.

UNIT I
Nature and Scope of Environmental Psychology.

UNIT II

UNIT III

Recommended Books: