

M.A. Psychology Part 2 Syllabus Semester III & IV



Hindi Vidya Prachar Samiti's

**RAMNIRANJAN JHUNJHUNWALA COLLEGE
OF ARTS, SCIENCE & COMMERCE
(EMPOWERED AUTONOMOUS COLLEGE)**

Affiliated to

UNIVERSITY OF MUMBAI

Syllabus for the M.A. Part 2

Program: M.A. PSYCHOLOGY

Program Code: RJAPGPSY

National Education Policy (NEP 2020)

Level 6.5

(CBCS 2024-2025)

M.A. Psychology Part 2 Syllabus Semester III & IV

M. A. PSYCHOLOGY PART II

Credit structure as per NEP-2020 implemented from the academic year 2024-25

MANDATORY COURSES RELATED TO MAJOR (Discipline Specific Courses):					
Course Code	Semester III	Credits	Course Code	Semester IV	Credits
RJAPGPSYP301	Experimental Psychology – Practical	04	RJAPGPSY401	Behavioural Foundations of Public Policy	04
RJAPGPSY301	Neuropsychology	04	RJAPGPSY402	Methods & Analyses of Neuropsychological Data	04
RJAPGPSY302	Statistics for Psychology	04	RJAPGPSY403	Advanced Applied Psychometrics & Data Analytics	04
RJAPGPSYP302	Psychometric Test development – Practical	02	-----	-----	---
ELECTIVE COURSES (Discipline Specific Electives):					
Course Code	Semester III	Credits	Course Code	Semester IV	Credits
RJAPGPSYE301	Evolutionary Psychology	04	RJAPGPSYE401	Political Psychology	04
RJAPGPSYE302	Multiculturalism		RJAPGPSYE402	Peace Psychology	
RESEARCH PROJECT DISSERTATION:					
Course Code	Semester III	Credits	Course Code	Semester IV	Credits
RJAPGPSYRP301	Research Proposal	04	RJAPGPSYRP401	Research Dissertation	06

M.A. Psychology Part 2 Syllabus Semester III & IV

DISTRIBUTION OF TOPICS AND CREDITS

SEMESTER III

Experimental Psychology – Practical (Core Practical Paper II)

Course Code	Nomenclature	Credits	Topics
RJAPGPSYP301	Experimental Psychology – Practical	04	1. Designing an Experiment 2. Computerizing the Experiment 3. Conducting the Experiments 4. Experimental Data Analysis & Report

Neuropsychology (Core Theory Paper IV)

Course Code	Nomenclature	Credits	Topics
RJAPGPSY301	Neuropsychology	04	1. Foundations of Neuropsychology 2. Structure and Functions: Neurons 3. Brain Structures & Function 4. Neurobiological Basis of Behaviour and Applications

M.A. Psychology Part 2 Syllabus Semester III & IV

Statistics for Psychology (Core Theory Paper V)

Course Code	Nomenclature	Credits	Topics
RJAPGPSY302	Statistics for Psychology	04	1. Statistics Refresher 2. Hypothesis Testing & Inference about Location 3. Association & Prediction 4. Factor Analysis and Software Application

Psychometric Test Development – Practical (Core Practical Paper III)

Course Code	Nomenclature	Credits	Topics
RJAPGPSYP302	Psychometric Test Development – Practical	02	1. Developing a New Psychological Test 2. Reporting of the Newly Developed Test

M.A. Psychology Part 2 Syllabus Semester III & IV

Evolutionary Psychology (Elective Paper I, Semester III)

Course Code	Nomenclature	Credits	Topics
RJAPGPSYE301	Evolutionary Psychology	04	1. Foundations of Evolutionary Psychology 2. Major aspects of Evolutionary Theory: Survival and Mating 3. Evolutionary influences on Parenting and Group Behaviour 4. Adapted Behaviour & Mind in Social Settings

OR

Multiculturalism (Elective Paper II, Semester III)

Course Code	Nomenclature	Credits	Topics
RJAPGPSYE302	Multiculturalism	04	1. Multiculturalism & Society 2. Prejudice & Discrimination 3. Multicultural Assessment 4. Multicultural Practice in Psychology

Research Project – Part 1: Research Proposal [RJAPGPSYRP301: 04 Credits]

M.A. Psychology Part 2 Syllabus Semester III & IV

SEMESTER IV

Behavioural Foundations of Public Policy (Core Theory Paper VI)

Course Code	Nomenclature	Credits	Topics
RJAPGPSY401	Behavioural Foundations of Public Policy	04	1. Psychology & Public Policy 2. Behavioural-research Applied to the Real World- I 3. Behavioural-research Applied to the Real World- II 4. The Way Forward

Methods & Analyses of Neuropsychological Data (Core Theory Paper VII)

Course Code	Nomenclature	Credits	Topics
RJAPGPSY402	Methods & Analyses of Neuropsychological Data	04	1. Introduction to the Methods of Neuropsychological data 2. EEG & ERP 3. Eye-Tracking 4. fMRI, other measures, & combining measures

M.A. Psychology Part 2 Syllabus Semester III & IV

Advanced Applied Psychometrics & Data Analytics (Core Theory Paper VIII)

Course Code	Nomenclature	Credits	Topics
RJAPGPSY403	Advanced Applied Psychometrics & Data Analytics	04	1. Psychometrics: Concepts, Classical Test Theory and Practice 2. Modern test Theory and Practice 3. Generalizability Theory and Data analytics 4. Applications of Psychometrics specific to settings & Software

Political Psychology (Elective Paper I, Semester IV)

Course Code	Nomenclature	Credits	Topics
RJAPGPSYE401	Political Psychology	04	1. Personality, Cognition, Emotion – and Politics 2. Groups, Leaders, & Voting Behaviour 3. Nationalism and Extremist Behaviour 4. Protest and Revolution; International Security

OR

M.A. Psychology Part 2 Syllabus Semester III & IV

Peace Psychology (Elective Paper II, Semester IV)

Course Code	Nomenclature	Credits	Topics
RJAPGPSYE402	Peace Psychology	04	1. Perspectives of Peace Psychology 2. Direct Violence 3. Structural Violence 4. Peace-building & Peace-making Interventions

Research Project – Part 2: Dissertation [RJAPGPSYRP401: 06 Credits]

M.A. Psychology Part 2 Syllabus Semester III & IV

Learning Objectives & Course Outcomes

Core Practical Paper II: Experimental Psychology – Practical

Semester		:	III
Title of the Course		:	Experimental Psychology – Practical
Course Code		:	RJAPGPSYP301
Credits		:	04
Duration		:	120 Practical Hours
LEARNING OBJECTIVES			
1.	Conceptualize & design original experiments following principles of Experimental Psychology.		
2.	Learn to build an experiment protocol on open source software.		
3.	Conduct experiments exhibiting rigour of Experimental Psychology.		
4.	Understand analyzing and reporting experimental data using appropriate statistics as well as reporting standards.		
COURSE LEARNING OUTCOMES			
On completing the course, the student will be able to:		PSO(s) Addressed	Bloom’s Level(s) Addressed
CLO1	Invent & Design Psychological Experiments.	3, 5, 6	6
CLO2	Construct Computerized Experimental Protocols.	3, 5	6
CLO3	Conduct Psychological Experiments with attention to the expected rigour of the field.	3, 5	4, 5, 6
CLO4	Synthesize findings from Psychological Experiments by analyzing & reporting the data.	3	6

M.A. Psychology Part 2 Syllabus Semester III & IV

PART II – SEMESTER III		Hrs.	CR
Experimental Psychology - Practical	Course Code: RJAPGPSYP301	120	04
Unit I: Designing an Experiment		30	
- Students will be divided into equal groups with a maximum group size of four / five (depending on the batch size). - Each student will have to design an experiment and present the proposed experiment in front of the class. - From each group one experiment will be selected by the faculty.			
Experiments can be designed in the following areas: 1) Sensation, Perception, & Attention, 2) Memory, 3) Reasoning, 4) Decision making, 5) Problem solving, 6) Learning, 7) Imagery, 8) Motivation, 9) Emotion, 10) Personality, 11) Thinking, 12) Language (Students wanting to develop an experiment based on an area not listed above may get their idea approved from the respective faculty members before proceeding.)			
Unit II: Computerizing the Experiment		30	
- All students will have to get oriented to an open-source package for computerizing an experiment (such as Open Sesame, PEBL, etc.) - All students will submit their computerized experiments in a soft-copy in the specified format.			
(Students wanting to design manual experiments may do so provided they justify the rationale to the respective faculty and get their approval. Still they will have to create a computerized alternative as a part of this coursework and submit a soft-copy of the same)			
Unit III: Conducting Experiments		30	
The selected experiments will be conducted with participants by all students in the laboratory.			
Unit IV: Experimental Data Analysis & Report		30	
The data obtained for all the experiments from all student-experimenters will be analyzed individually by each student using statistical software (eg. R) and the results should be reported following the standards of academic writing.			

M.A. Psychology Part 2 Syllabus Semester III & IV

EVALUATION (TOTAL 100 MARKS)

Pattern: 40-60 (40 Marks Internal Assessment, 60 Marks Semester End Exam)

Internal Assessment (Total 40 Marks):

- Two Internal Assessments (IA-1 & IA-2) of 20 marks each.
 - 20 marks: Self-designed Experiment: Proposal & Computerized copy
 - 20 marks: 1) Experiment Journal (reports of all experiments selected for conduction)
2) A literature review report on any one of the given areas above covering the recent (last five years) research in that area.

Semester End Examination (Total 60 Marks):

- Conduction of any one randomly assigned experiment (from the selected experiments)
 - 10 marks: Instruction, Conduction & Debriefing
 - 20 marks: Report on Conducted Experiment
 - 30 marks: Viva-voce (research methodology, statistics, &/or other experiments)

Reference Books:

American Psychological Association. (2020). *Publication manual of the American Psychological Association 2020: the official guide to APA style* (7th ed.). American Psychological Association.

Gravetter, F. J., Wallnau, L. B., Forzano, L.-A. B., & Witnauer, J. E. (2021). *Essentials of Statistics for the Behavioral Sciences* (10th ed.). Cengage.

Gravetter, F. J., & Forzano, L.-A. B. (2018). *Research Methods for the Behavioral Sciences* (6th ed.). Cengage Learning.

Shaughnessy, J. J., Zechmeister, E. B., & Zechmeister, J. S. (2015). *Research Methods in Psychology*. McGraw-Hill Education.

M.A. Psychology Part 2 Syllabus Semester III & IV

Learning Objectives & Course Outcomes

Core Theory Paper IV: Neuropsychology

Semester		:	III
Title of the Course		:	Neuropsychology
Course Code		:	RJAPGPSY301
Credits		:	04
Duration		:	60 Lecture Hours
LEARNING OBJECTIVES			
1.	Understand the foundational concepts, scope, & methods of Neuropsychological Research and Theory.		
2.	Outline the structure & function of Neurons as the basic building blocks in Neuropsychology.		
3.	Illustrate the various structures and functions of the parts of the Human Brain.		
4.	Discuss the Neuropsychological Correlates of Behaviour and Applications of Neuropsychology.		
COURSE LEARNING OUTCOMES			
On completing the course, the student will be able to:		PSO(s) Addressed	Bloom’s Level(s) Addressed
CLO1	Assess the foundations, scope, & methods in Neuropsychological Research and Theory.	1, 4, 6	5
CLO2	Inspect the structure, function, & study of Neurons.	1	5
CLO3	Examine different Brian Structures & their Functions.	1	4, 5
CLO4	Assess the Neuropsychological Correlates of Behaviour and general applications of Neuropsychology.	1, 4, 5	5

M.A. Psychology Part 2 Syllabus Semester III & IV

PART II – SEMESTER III		L	CR
Neuropsychology	Course Code: RJAPGPSY301	60	04
Unit I: Foundations of Neuropsychology		15	
1. The field of Neuropsychology: Definition, Scope, & History			
2. Anatomical methods, Degeneration studies, Lesion studies, Chemical methods, Stereotaxic surgery			
3. Micro-electrode studies, Oscilloscope, Polygraph, Scanning methods			
4. Ethical issues in Neuropsychological research.			
Unit II: Structure and Functions: Neurons		15	
1. Revisiting the basics: Neurons – types, structure, & function			
2. Neural conduction and potentials of neurons			
3. Synaptic Conduction and Communication between neurons			
4. Interrelation of neurotransmitters and behavior			
Unit III: Brain Structures & Function		15	
1. Structure & function of CNS; Neuroplasticity			
2. Structure and function of PNS			
3. Brain hemispheres & specialization			
4. Brain lobes: structure, function & disorders			
Unit IV: Neurobiological Basis of Behaviour and Applications		15	
1. Physiology of Sensory and Perceptual Processes: Vision, Audition, & Somatosensory processes			
2. Attention: Cerebral Cortex, Subcortical Structures; disorders of attention			
3. Endocrine Glands & Hormonal Action			
4. Neuropsychological Assessment & Neuropsychological Rehabilitation			

M.A. Psychology Part 2 Syllabus Semester III & IV

EVALUATION (TOTAL 100 MARKS)

Pattern: 40-60 (40 Marks Internal Assessment, 60 Marks Semester End Exam)

Internal Assessment (Total 40 Marks):

- Two Internal Assessments (IA-1 & IA-2) will be conducted of 20 marks each.
- Modes of Evaluation: Essay Assignment / Project Reports / Individual or Group Presentations / MCQs / Case Study Reports / Review-Report Assignments / Class Test (based on contents from the syllabus)

Semester End Examination (Total 60 Marks):

- Four questions will be asked – one from each unit respectively (15 Marks each)
- Each question will have an internal option (attempt A or B)
- Whole questions for 15 marks can be asked or Sub-questions (eg. three short notes for 5 marks each, two brief answers of 7.5 marks each) can be asked.

Question No.	Unit	Internal Option	Max. Marks
1.	I	A) _____ or B) _____	15
2.	II	A) _____ or B) _____	15
3.	III	A) _____ or B) _____	15
4.	IV	A) _____ or B) _____	15

M.A. Psychology Part 2 Syllabus Semester III & IV

Reference Books:

Carlson, N. R., & Birkett, M. A. (2016). *Physiology of Behavior*, (12th ed.). Pearson.

Crossman, A. R., & Neary, D. (2015). *Neuroanatomy: An Illustrated Colour Text*. Elsevier.

Kalat, J. W. (2022). *Biological Psychology*. Cengage.

Kandel, E., Schwartz, J., Jessell, T. M., Siegelbaum, S., & Hudspeth, A. J. (2012). *Principles of Neural Science*, (5th ed.). McGraw-Hill Publishing.

Kolb, B., Whishaw, I. Q., & Teskey, G. C. (2019). *An Introduction to Brain and Behavior*. Worth Pub.

Pinel, J., Barnes, S. J. (2023). *Biopsychology*, (10th ed.). Pearson.

Matlin, M. W. (2009). *Cognition*. John Wiley & Sons.

Sternberg, R. J., Sternberg, K, Mio, J. (2012). *Cognitive Psychology*. Wadsworth.

Zilmer, E. A., Spiers, M. V., & Culbertson, W. C. (2007). *Principles of Neuropsychology*. Wadsworth.

M.A. Psychology Part 2 Syllabus Semester III & IV

Learning Objectives & Course Outcomes

Core Theory Paper V: Statistics for Psychology

Semester		:	III
Title of the Course		:	Statistics for Psychology
Course Code		:	RJAPGPSY302
Credits		:	04
Duration		:	60 Lecture Hours
LEARNING OBJECTIVES			
1.	Understand the need and applications of Descriptive & Inferential statistics; concepts of Probability and Distributions.		
2.	Grasp the elements of Hypothesis Testing and statistical tests for Comparing Location.		
3.	Illustrate the use and applications of statistical tests of association and prediction.		
4.	Understand the application of Factor Analyses & Statistical Analysis using Software.		
COURSE LEARNING OUTCOMES			
On completing the course, the student will be able to:		PSO(s) Addressed	Bloom’s Level(s) Addressed
CLO1	Categorize and inspect the concepts of Descriptive & Inferential Statistics, Probability, and Distributions.	3, 4, 5, 6	4, 5
CLO2	Identify elements of Hypothesis Testing and evaluate significance of location between samples using appropriate Statistical Test.	3, 4, 5	4, 5
CLO3	Assess the use and applications of statistical tests of association and prediction.	3, 4, 5	5
CLO4	Assess the use of Factor Analyses and illustrate theoretical learnings of Statistical Analysis in Software application.	3, 4, 5	4, 5

M.A. Psychology Part 2 Syllabus Semester III & IV

PART II – SEMESTER III		L	CR
Statistics for Psychology	Course Code: RJAPGPSY302	60	04
Unit I: Statistics Refresher		15	
1. Statistics & Parameters. Descriptive Statistics: Central Tendency, Variability, & Standard Scores			
2. Probability: axioms, random variables, expected value. Probability & Distributions: Central Limit Theorem, Law of Large Numbers			
3. Discrete Distributions: Binomial, Poisson; Continuous Distributions: Normal, <i>t</i> , <i>F</i> , chi-square.			
4. Inference: estimation theory, properties of estimators, Bayesian inference, Cramér–Rao inequality, Rao Blackwell Theorem, methods of estimation: least square, maximum likelihood.			
Unit II: Hypothesis Testing & Inference about Location		15	
1. Logic of hypothesis testing: Z-score statistic. Type I & Type II Errors. Factors influencing a hypothesis test: Variability & Sample Size.			
2. Null Hypothesis Significance Testing (NHST): one-tailed vs two-tailed tests, beyond NHST: effect size, power, confidence interval. Introduction to <i>t</i> statistic			
3. Differences between two means: independent & dependent <i>t</i> -test; Differences between multiple means: one-way ANOVA; Non-parametric alternatives			
4. MANOVA and Discriminant Function Analysis			
Unit III: Association & Prediction		15	
1. Correlations: Product Moment, Partial Correlation, Special Correlation			
2. Non-parametric correlations: Spearman's rho, Kendall's Tau, Point-Biserial, Phi coefficient; other measures of nominal data: Chi-square, Binomial test, Proportions test.			
3. Linear Regression: Ordinary Least Square (OLS) estimation			
4. Multiple Linear Regression; Logistic Regression			

M.A. Psychology Part 2 Syllabus Semester III & IV

Unit IV: Factor Analysis and Software Application	15	
1. Factor Analysis: basic concepts		
2. Types of Factor Analyses & applications; methods of extraction: PCA basics		
3. R: syntax, data management, descriptive statistics; graphs; basic and multivariate statistics in R.		
4. Other software		

M.A. Psychology Part 2 Syllabus Semester III & IV

EVALUATION (TOTAL 100 MARKS)

Pattern: 40-60 (40 Marks Internal Assessment, 60 Marks Semester End Exam)

Internal Assessment (Total 40 Marks):

- Two Internal Assessments (IA-1 & IA-2) will be conducted of 20 marks each.
- Modes of Evaluation: Class Tests of Statistical Computation along with Theoretical Questions / Statistical Software Application on given Data

Semester End Examination (Total 60 Marks):

- Four questions will be asked – one from each unit respectively (15 Marks each)
- Each question will have an internal option (attempt A or B)
- Whole questions for 15 marks can be asked or Sub-questions (eg. three short notes for 5 marks each, two brief answers of 7.5 marks each) can be asked.

Question No.	Unit	Internal Option	Max. Marks
1.	I	A) _____ or B) _____	15
2.	II	A) _____ or B) _____	15
3.	III	A) _____ or B) _____	15
4.	IV	A) _____ or B) _____	15

M.A. Psychology Part 2 Syllabus Semester III & IV

Reference Books:

Gravetter, F. J., Wallnau, L. B., Forzano, L.-A. B., & Witnauer, J. E. (2021). *Essentials of Statistics for the Behavioral Sciences* (10th ed.). Cengage.

Howell, D. (2009). *Statistical Methods for Psychology* (7th ed.). Wadsworth.

Kline, R. B. (2015). *Beyond significance testing: Statistics reform in the Behavioral Sciences*. American Psychological Association.

Tabachnick, B. G., & Fidell, L. S. (2022). *Using Multivariate Statistics*. Pearson India Education Services.

Aron & Aron (2008). *Statistics for Psychology* (5th ed). New Delhi: Pearson

Howitt, D., & Cramer, D. (2011). *Introduction to Statistics in Psychology* (5th ed.). Pearson Education Limited.

Minium, E. W., King, B. M., & Bear, G. (2001). *Statistical reasoning in psychology and education*. Singapore: John-Wiley.

Wilcox R. R. (2009). *Basic Statistics: Understanding Conventional Methods and Modern Insights*. NY: OUP.

M.A. Psychology Part 2 Syllabus Semester III & IV

Learning Objectives & Course Outcomes

Core Practical Paper III: Psychometric Test Development – Practical

Semester	:	III	
Title of the Course	:	Psychometric Test Development – Practical	
Course Code	:	RJAPGPSYP302	
Credits	:	02	
Duration	:	60 Practical Hours	
LEARNING OBJECTIVES			
1.	Conceptualize and create a design for development of a New Psychometric test.		
2.	Follow the all the steps of Test Development and report the newly developed tool along with the evidence gathered for its Psychometric Properties.		
COURSE LEARNING OUTCOMES			
On completing the course, the student will be able to:		PSO(s) Addressed	Bloom’s Level(s) Addressed
CLO1	Create a design for development of a New Psychometric Test.	1, 3, 6	6
CLO2	Construct a New Psychometric Measure and Justify its use by reporting evidence for Psychometric Properties and Implications.	3, 5	5, 6

M.A. Psychology Part 2 Syllabus Semester III & IV

PART II – SEMESTER III		Hrs.	CR
Psychometric Test Development – Practical	Course Code: RJAPGPSYP302	60	04
Unit I: Developing a New Psychological Test		30	
- Students will be divided into equal groups with a maximum group size of four / five (depending on the batch size). - Each student will have to propose development of a new psychological test based on a construct of their choice in front of the class (structure/format of presentation will be given). - One test per group will be selected by the faculty for further group work. - Students in each group will collectively work on the selected test construct to develop a new psychological measure following the test development process.			
Unit II: Reporting of the Newly Developed Test		30	
- The newly developed tool has to be administered on a group of at least 30 individuals. (Sample size should also ideally be decided based on the statistical analyses to be employed) - The item analysis, reliability and validity, norms should be computed using statistical software (eg. R) and reported in the file.			

EVALUATION (TOTAL 50 MARKS)

Pattern: 20-30 (20 Marks Internal Assessment, 30 Marks Semester End Exam)

Internal Assessment (Total 20 Marks):

- One Internal Assessment (IA): Assessment of Journal of 20 marks.
 - 10 marks: Proposal report for developing a new test in the specified format.
 - 10 marks: Reports on conduction of all newly designed tests.

Semester End Examination (Total 30 Marks):

- 15 marks: Report and presentation on the newly designed test by the respective groups
- 15 marks: Viva-voce of individual students.

M.A. Psychology Part 2 Syllabus Semester III & IV

Reference Books:

Anastasi, A. & Urbina, S. (1997). *Psychological Testing*. (7th ed.). Pearson Education, (Indian reprint 2002)

Chadha, N. K. (2009). *Applied Psychometry*. New Delhi: Sage.

Cohen, J. R., & Swerdlik, M. E., (2018). *Psychological Testing and Assessment: An introduction to Tests and Measurement*. (9th ed.). McGraw-Hill (Indian Edition 2018)

Gravetter, F. J., Wallnau, L. B., Forzano, L.-A. B., & Witnauer, J. E. (2021). *Essentials of Statistics for the Behavioral Sciences*. Cengage.

Howitt, D., & Cramer, D. (2011). *Introduction to Statistics in Psychology* (5th ed.). Pearson Education Limited.

Kline, P. (1998). *The New Psychometrics: Science, psychology and measurement*. New York: Routledge.

M.A. Psychology Part 2 Syllabus Semester III & IV

Learning Objectives & Course Outcomes

Elective Paper I (Semester III): Evolutionary Psychology

Semester		:	III
Title of the Course		:	Evolutionary Psychology
Course Code		:	RJAPGPSYE301
Credits		:	04
Duration		:	60 Lecture Hours
LEARNING OBJECTIVES			
1.	Grasp the Foundations, Development, and Significance of the field of Evolutionary Psychology.		
2.	Understand the aspects of Survival & Mating from Evolutionary Psychology perspective.		
3.	Grasp the aspects of Parenting & Group Behaviour from Evolutionary Psychology perspective.		
4.	Learn the aspects of Social Thought & Behaviour from Evolutionary Psychology perspective.		
COURSE LEARNING OUTCOMES			
On completing the course, the student will be able to:		PSO(s) Addressed	Bloom’s Level(s) Addressed
CLO1	Identify the roots and scope of Evolutionary Psychology.	1, 4, 5	4
CLO2	Assess factors and processes of Survival & Mating in Evolutionary Psychology.	4, 5	5
CLO3	Inspect factors of Parenting & Group Behaviour in Evolutionary Psychology.	4, 5	5
CLO4	Examine the aspects of Social Thought & Behaviour in Evolutionary Psychology.	4, 5	3, 4

M.A. Psychology Part 2 Syllabus Semester III & IV

PART II – SEMESTER III		L	CR
Elective I: Evolutionary Psychology	Course Code: RJAPGPSYE301	60	04
Unit I: Foundations of Evolutionary Psychology		15	
1. Historical development, Landmarks in Human Evolution, & Misunderstandings			
2. Origins of Human Nature, Evolutionary Game Theory			
3. Evolved Psychological Mechanisms, Evolutionary foundation of Human Behaviour, & Psychological basis of Culture			
4. Hypothesis-testing in evolutionary psychology; use-misuse of Darwinism			
Unit II: Major aspects of Evolutionary Theory: Survival and Mating		15	
1. Problems of Survival: Food Acquisition, Human Fears, & Landscape Preferences			
2. Mate Selection and Sexual Strategies			
3. Women's long-term mating strategies & Men's long-term mating strategies			
4. Short-term sexual strategies across sexes			
Unit III: Evolutionary influences on Parenting and Group Behaviour		15	
1. Parenting: maternal & paternal involvement; Parent-offspring conflict			
2. Kinship: theory of implicit and inclusive fitness and empirical support			
3. Cooperation: evolution of cooperation, reciprocal altruism			
4. Cognitive adaptations for social exchange			
Unit IV: Adapted Behaviour & Mind in Social Settings		15	
1. Aggression: as an adaptive solution, sex differences, & conflicts between sexes			
2. Evolution of Morality; Evolution of Art; Evolution of Emotions			
3. Cognitive Development, Modularity of Mind, and Innateness issues			
4. Status, Prestige and Social Dominance			

M.A. Psychology Part 2 Syllabus Semester III & IV

EVALUATION (TOTAL 100 MARKS)

Pattern: 40-60 (40 Marks Internal Assessment, 60 Marks Semester End Exam)

Internal Assessment (Total 40 Marks):

- Two Internal Assessments (IA-1 & IA-2) will be conducted of 20 marks each.
- Modes of Evaluation: Essay Assignment / Project Reports / Individual or Group Presentations / MCQs / Case Study Reports / Review-Report Assignments / Class Test (based on contents from the syllabus)

Semester End Examination (Total 60 Marks):

- Four questions will be asked – one from each unit respectively (15 Marks each)
- Each question will have an internal option (attempt A or B)
- Whole questions for 15 marks can be asked or Sub-questions (eg. three short notes for 5 marks each, two brief answers of 7.5 marks each) can be asked.

Question No.	Unit	Internal Option	Max. Marks
1.	I	A) _____ or B) _____	15
2.	II	A) _____ or B) _____	15
3.	III	A) _____ or B) _____	15
4.	IV	A) _____ or B) _____	15

M.A. Psychology Part 2 Syllabus Semester III & IV

Reference Books:

Buss, D. (2015). *Evolutionary Psychology: The New Science of Mind*. Routledge.

Buss, D. (2016). *The Handbook of Evolutionary Psychology*. John Wiley & Sons, Inc.

Barkow, J. H., Cosmides, L., Tooby, J. (1992). *The Adapted Mind*. Oxford University Press.

Dunbar, R. I. M. (2005). *Evolutionary Psychology: A Beginner's Guide*. One world.

Lauser, M. (2006). *Moral minds: The nature of right and wrong*. Harper Collins.

Pinker, S. (2006). *The Blank Slate: The Modern Denial of Human Nature*. Penguin.

Pinker, S. (1999). *How the Mind Works*. New York: WW Norton & Co.

Pinker, S. (1994). *The Language Instinct*. Penguin.

Haidt, J. (2012). *The Righteous Mind*. Vintage.

Journal Articles:

De Waal, F. B. M. (2008). Putting the altruism back into altruism: The evolution of empathy. *Annual Review of Psychology*, 59, 279-300.

Nesse & Ellsworth (2009). Evolution, emotions, and emotional disorders. *American Psychologist*, 64, 129-139.

Tooby, J. and Cosmides, L. (2010). The Evolutionary Psychology of the Emotions and Their Relationship to Internal Regulatory Variables. In Lewis, M., Haviland-Jones, J. M., & Barrett, L. F. (Eds.). *Handbook of emotions* (3rd edition). New York, NY: Guilford.

M.A. Psychology Part 2 Syllabus Semester III & IV

Learning Objectives & Course Outcomes

Elective Paper II (Semester III): Multiculturalism

Semester		:	III
Title of the Course		:	Multiculturalism
Course Code		:	RJAPGPSYE302
Credits		:	04
Duration		:	60 Lecture Hours
LEARNING OBJECTIVES			
1.	Learn the foundations of Multiculturalism.		
2.	Address the issues of Prejudice & Discrimination with possible Multiculturalism solutions.		
3.	Understand the use and applications of Multicultural Assessment in various settings.		
4.	Grasp the competencies related to Multicultural Practice in Psychological Profession.		
COURSE LEARNING OUTCOMES			
On completing the course, the student will be able to:		PSO(s) Addressed	Bloom’s Level(s) Addressed
CLO1	Identify the foundations of Multiculturalism.	1, 4, 5	4
CLO2	Prioritize possible Multicultural solutions for the issues of Prejudice & Discrimination.	4, 5, 6	5
CLO3	Illustrate & apply the aspects of Multicultural Assessments.	1, 2, 4	3, 4
CLO4	Demonstrate the Multicultural Competencies for Practice.	1, 2, 5	3, 4

M.A. Psychology Part 2 Syllabus Semester III & IV

PART II – SEMESTER III		L	CR
Elective II: Multiculturalism	Course Code: RJAPGPSYE302	60	04
Unit I: Multiculturalism & Society		15	
1. Culture and Cultural Identity development			
2. Understanding major cultural variables in Indian context: gender, religion, caste, social class, language, and regionalism			
3. Cultural Transition and Acculturation			
4. Evolution of Cultures, Multiculturalism, & Challenges			
Unit II: Prejudice & Discrimination		15	
1. Understanding Prejudice and Discrimination			
2. Rights – based approach in addressing Prejudice and Discrimination			
3. Equity and social justice in Prejudice and Discrimination			
4. Prejudice and Discrimination in the Indian Context			
Unit III: Multicultural Assessment		15	
1. Cross cultural sensitivity in Assessment			
2. Ethical issues in Multicultural Assessment			
3. Writing psychological and educational reports for culturally & linguistically diverse clients			
4. Multicultural Assessment in the Indian Context			
Unit IV: Multicultural Practice in Psychology		15	
1. Multicultural Counselling Competencies & Culturally Appropriate Interventions			
2. Barriers to Multicultural Counselling			
3. Managing Diversity & Conflicts in Organizations			
4. Addressing Diversity & Multicultural Practice in India			

M.A. Psychology Part 2 Syllabus Semester III & IV

EVALUATION (TOTAL 100 MARKS)

Pattern: 40-60 (40 Marks Internal Assessment, 60 Marks Semester End Exam)

Internal Assessment (Total 40 Marks):

- Two Internal Assessments (IA-1 & IA-2) will be conducted of 20 marks each.
- Modes of Evaluation: Essay Assignment / Project Reports / Individual or Group Presentations / MCQs / Case Study Reports / Review-Report Assignments / Class Test (based on contents from the syllabus)

Semester End Examination (Total 60 Marks):

- Four questions will be asked – one from each unit respectively (15 Marks each)
- Each question will have an internal option (attempt A or B)
- Whole questions for 15 marks can be asked or Sub-questions (eg. three short notes for 5 marks each, two brief answers of 7.5 marks each) can be asked.

Question No.	Unit	Internal Option	Max. Marks
1.	I	A) _____ or B) _____	15
2.	II	A) _____ or B) _____	15
3.	III	A) _____ or B) _____	15
4.	IV	A) _____ or B) _____	15

M.A. Psychology Part 2 Syllabus Semester III & IV

Reference Books:

Elrich, H. (2003). *The Social Psychology of Prejudice: A systematic Theoretical Review and Propositional Inventory of the American*. New York, Wiley.

Cordeiro, P.A., Reagan, T.G. & Martinez, L.P. (1994). *Multiculturalism and TQE*. California: Sage.

Corey, G. (2009). *Theory and Practice of group Counseling*. CA: Thomson Brooks

Gamst, G. C., Liang, C. T. H., Der-Karabetian, A. (2011). *Handbook of Multicultural Measures*, La Verne: Sage.

Garrett McAuliffe & Associates (2008). *Culturally Alert Counselling: A Comprehensive Introduction*. Sage Publications.

Palmer, S. & Laungani, P.D. (1999). *Counselling in a Multicultural Society*. London: Sage

Pedersen, P. (2000). *A handbook for developing multicultural awareness*. Alexandria, VA: American Counseling.

Sue, D.W., Sue, D. (2012). *Counselling The Culturally Diverse: Theory and Practice* (6th Ed.). Hoboken, NJ: John Wiley & Sons, Inc.

Suzuki, L.A., Meller, P.J., Ponterotto, J.G. (1996). *Handbook of Multicultural Assessment: Clinical, Psychological and Educational Applications*. San Francisco, CA: Jossey- Bass Inc.

Journal Articles:

Crisp, R. J., & Meleady, R. (2012). Adapting to a Multicultural Future. *Science*, 336(6083), 853–855. doi: 10.1126/science.1219009

Foley, R. A., & Lahr, M. M. (2011). The Evolution of the Diversity of Cultures. *Philosophical Transactions of The Royal Society*, 1080–1089. doi: 0.1093/acprof:osobl/9780199608966.003.0015

M.A. Psychology Part 2 Syllabus Semester III & IV

Howard, J. A. (2000). Social Psychology of Identities. *Annual Review of Sociology*, 26(1), 367–393. doi: 10.1146/annurev.soc.26.1.367

Islam, G. (2014). Social Identity Theory. *Encyclopedia of Critical Psychology*, 1781–1783. doi: 10.1007/978-1-4614-5583-7_289

Lücke, G., Kostova, T., & Roth, K. (2013). Multiculturalism from a cognitive perspective: Patterns and implications. *Journal of International Business Studies*, 45(2), 169–190. doi: 10.1057/jibs.2013.53

Mesoudi, A. (2011). *Cultural evolution: how Darwinian theory can explain human culture and synthesize the social sciences*. Chicago: University of Chicago Press. doi: 10.7208/chicago/9780226520452.001.0001

Rubin, M., & Hewstone, M. (2004). Social Identity, System Justification, and Social Dominance: Commentary on Reicher, Jost et al., and Sidanius et al. *Political Psychology*, 25(6), 823–844. doi: 10.1111/j.1467-9221.2004.00400.x

Song, S. (2016, August 12). Multiculturalism. Retrieved from <https://plato.stanford.edu/entries/multiculturalism/>

Tajfel, H., & Turner, J. C. (2004). The Social Identity Theory of Intergroup Behavior. *Political Psychology*, 276–293. doi: 10.4324/9780203505984-16

M.A. Psychology Part 2 Syllabus Semester III & IV

Learning Objectives & Course Outcomes

Research Project – Part I: Research Proposal

Semester		:	III
Title of the Course		:	Research Proposal
Course Code		:	RJAPGPSYRP301
Credits		:	04
Duration		:	60 Hours
LEARNING OBJECTIVES			
1.	Apply the Fundamentals of Psychological Research in the form of Proposing an original study.		
2.	Conduct extensive Review of Literature for building the Research Rationale; & Operationalizing.		
3.	Think through the considerations of Sampling, Research Strategy, Design, & Conduction.		
4.	Practice Ethics of Psychological Research & its Reporting Standards.		
COURSE LEARNING OUTCOMES			
On completing the course, the student will be able to:		PSO(s) Addressed	Bloom’s Level(s) Addressed
CLO1	Evaluate the relevant existing literature to build a strong rationale for research and operationalize the constructs chosen.	3, 5, 6	5
CLO2	Assess & Apply considerations of Sampling, Research Strategy, Design, & Conduction.	3, 6	5
CLO3	Prioritize Ethics & Reporting Standards of Psychological Research.	3, 5, 6	5
CLO4	Propose an original research study in Psychology.	3, 6	6

M.A. Psychology Part 2 Syllabus Semester III & IV

GUIDELINES FOR RESEARCH PROPOSAL:

- The Research Project Course (of overall 10 Credits) is divided into two parts: Part 1 – Research Proposal (04 Credits) in Semester III, & Part II – Dissertation (06 Credits) in Semester IV.
- A list of research areas/topics will be shared at the beginning of Semester III.
- Students may select any area/topic from the given list in which they would like to propose their research study. Based on student selection, they will be assigned to the respective faculty member's group, who will be guiding for the particular area/topic.
- Each faculty member will have equivalent student number under their guidance. Hence in case of topics/areas are selected by very few students, they will be asked to propose their research in the topics selected by majority of students.
- Students have to conduct and report the same research study that they propose and get approved during the evaluation of this course, as a part of their dissertation in Semester IV.

EVALUATION (TOTAL 100 MARKS)

Pattern: 40-60 (40 Marks Internal Assessment, 60 Marks Semester End Exam)

Internal Assessment (Total 40 Marks):

- 40 Marks: Literature Review Report for the Proposed Research

Semester End Examination (Total 60 Marks):

- 25 Marks: Research Proposal Presentation [Title, Introduction, Method, Implications]
- 35 Marks: Viva-voce (based on the presentation & literature review)

Standard structure and format will have to be followed for the Research Proposal presentations. The same will be shared by the guiding faculty at the beginning of the course.

M.A. Psychology Part 2 Syllabus Semester III & IV

Learning Objectives & Course Outcomes

Core Theory Paper VI: Behavioural Foundations of Public Policy

Semester		:	IV
Title of the Course		:	Behavioural Foundations of Public Policy
Course Code		:	RJAPGPSY401
Credits		:	04
Duration		:	60 Lecture Hours
LEARNING OBJECTIVES			
1.	Understand the applications and contributions of Psychology to Public Policy.		
2.	Apply Psychological understandings to improve Societal Cooperation.		
3.	Learn applications of Psychology for policies on consumption, health, wealth, & poverty.		
4.	Learn scope of Psychological understanding in further contributing to Policy.		
COURSE LEARNING OUTCOMES			
On completing the course, the student will be able to:		PSO(s) Addressed	Bloom’s Level(s) Addressed
CLO1	Outline the applications and contributions of Psychology to Public Policy.	1, 2, 4, 6	2, 3
CLO2	Prioritize mindfully using Psychological understandings to improve Societal Cooperation.	5, 6	4, 5
CLO3	Recommend applications of Psychology for policies on consumption, health, wealth, & poverty.	2, 5, 6	5
CLO4	Recommend contemporary Psychological understandings in further contributing to Policy.	5, 6	5

M.A. Psychology Part 2 Syllabus Semester III & IV

PART II – SEMESTER IV		L	CR
Behavioural Foundations of Public Policy	Course Code: RJAPGPSY401	60	04
Unit I: Psychology & Public Policy		15	
1. Behavioural Assumptions of Policy			
2. Alternate View of Human Agent			
3. Behavioural Economics			
4. Public Policy and Public Service: Our professional duty			
Unit II: Behavioural-research Applied to the Real World- I		15	
1. Dealing with Prejudice and Discrimination: A policy response			
2. Designing policy for Societal Cooperation			
3. Rethinking Voting Behaviour			
4. A behavioural approach to Educational Interventions			
Unit III: Behavioural-research Applied to the Real World- II		15	
1. Consumption and identity: Implications for public policy			
2. Behavioural economics and Health Care policy			
3. Wealth and Happiness: Recent research and policy measures			
4. Designing policy measures in the Context of Poverty			
Unit IV: The Way Forward		15	
1. Enhancing the influence of Psychology for Policy			
2. Psychology applied to Public Policy Analysis: Three Alternative models			
3. Seeking insights from Evolutionary Psychology for Policy			
4. Re-examining the standard research practice for a stronger appeal			

M.A. Psychology Part 2 Syllabus Semester III & IV

EVALUATION (TOTAL 100 MARKS)

Pattern: 40-60 (40 Marks Internal Assessment, 60 Marks Semester End Exam)

Internal Assessment (Total 40 Marks):

- Two Internal Assessments (IA-1 & IA-2) will be conducted of 20 marks each.
- Modes of Evaluation: Essay Assignment / Project Reports / Policy Proposal Presentations / MCQs / Case Study Reports / Review-Report Assignments: eg. Policy Proposal Paper / Class Test (based on contents from the syllabus)

Semester End Examination (Total 60 Marks):

- Four questions will be asked – one from each unit respectively (15 Marks each)
- Each question will have an internal option (attempt A or B)
- Whole questions for 15 marks can be asked or Sub-questions (eg. three short notes for 5 marks each, two brief answers of 7.5 marks each) can be asked.

Question No.	Unit	Internal Option	Max. Marks
1.	I	A) _____ or B) _____	15
2.	II	A) _____ or B) _____	15
3.	III	A) _____ or B) _____	15
4.	IV	A) _____ or B) _____	15

M.A. Psychology Part 2 Syllabus Semester III & IV

Reference Books:

Shafir, E. (2013). (Ed.) *Behavioural Foundations of Public Policy*. Princeton University Press.

Agarwal, B. and Vercelli, A. (2005) *Psychology, rationality, and economic behaviour: Challenging standard assumptions*. Palgrave Macmillan.

Friedman, R.M. (2005). *Enhancing the influence of psychology on public policy*. University of South Florida: Mental Health Institute.

Lewis, A. (2008). *The Cambridge Handbook of Psychology and Economic Behaviour*. Cambridge University Press.

Lorion, R. P. (1996). *Psychology and public policy: Balancing public service and professional need*. American Psychological Association.

Segall, M. H., Goldstein, A. P., & Krenser, L. (1976). *Human Behaviour and Public Policy-A Political Psychology*. New York: Pergamon Press Inc.

Journal Articles:

Schneider, A., & Ingram, H. (1990). Behavioural assumptions of policy tools. *The Journal of Politics*, 52, 2, 510-529.

Kahan, D. M., & Braman, D. (2006). Cultural cognition and public policy. *Yale Law and Policy Review*, 24,1, 149-172.

Amir, O., Ariely, D., Cooke, A., Dunning, D., Epley, N., Gneezy, U., Koszegi, B., Lichtenstein, D., Mazar, N., Mullainathan, S., Prelec, D., Shafir, E., & Silva, J. (2005). Psychology, Behavioral Economics, and public policy. *Marketing Letters*, 16(3-4), 443-454.

<https://doi.org/10.1007/s11002-005-5904-2>

M.A. Psychology Part 2 Syllabus Semester III & IV

Learning Objectives & Course Outcomes

Core Theory Paper VII: Methods & Analyses of Neuropsychological Data

Semester		:	IV
Title of the Course		:	Methods & Analyses of Neuropsychological Data
Course Code		:	RJAPGPSY402
Credits		:	04
Duration		:	60 Lecture Hours
LEARNING OBJECTIVES			
1.	Get oriented to the theoretical foundations of the methods of analyzing Neuropsychological Data.		
2.	Learn the methods of Electroencephalogram (EEG) & Event Related Potential (ERP).		
3.	Grasp the method of Eye-tracking & its applications.		
4.	Understand the applications of fMRI & other methods used in Neuropsychological Analysis.		
COURSE LEARNING OUTCOMES			
On completing the course, the student will be able to:		PSO(s) Addressed	Bloom’s Level(s) Addressed
CLO1	Inspect the theory and methods underlying using Neuropsychological Analyses.	1, 3, 4	5
CLO2	Assess the Neuropsychological methods of EEG & ERP.	3, 4	4, 5
CLO3	Assess the Neuropsychological method of Eye-Tracking.	3, 4	4, 5
CLO4	Assess the Neuropsychological methods of fMRI, combined methods, & other methods.	2, 3, 4, 5	4, 5

M.A. Psychology Part 2 Syllabus Semester III & IV

PART II – SEMESTER IV		L	CR
Methods & Analyses of Neuropsychological Data	Course Code: RJAPGPSY402	60	04
Unit I: Introduction to the Methods of Neuropsychological data		15	
1. History and Purpose of Functional Brain Mapping for Psychological Research			
2. Subdivisions of Nervous System: A Refresher			
3. Comparison of various methods of measuring Neuropsychological Data			
4. Measures of ANS and analyzing ANS data			
Unit II: EEG & ERP		15	
1. Basic of Electroencephalogram and Event Related Potential			
2. Setting Experiments and Protocol; Obtaining Data			
3. Analyzing and Interpreting EEG – ERP data			
4. Writing about EEG – ERP experiments			
Unit III: Eye-Tracking		15	
1. Basics of Eye-Tracking			
2. Setting Eye-Tracking experiments; Obtaining Data			
3. Analyzing and Interpreting Eye-Tracking data			
4. Writing about Eye-Tracking experiments			
Unit IV: fMRI, other measures, & combining measures		15	
1. MRI and fMRI studies			
2. Analyses & Interpretation of fMRI data			
3. Other measures of Neuropsychology			
4. Combining measures and analyses: EEG with Eye-Tracking; EEG with fMRI			

M.A. Psychology Part 2 Syllabus Semester III & IV

EVALUATION (TOTAL 100 MARKS)

Pattern: 40-60 (40 Marks Internal Assessment, 60 Marks Semester End Exam)

Internal Assessment (Total 40 Marks):

- Two Internal Assessments (IA-1 & IA-2) will be conducted of 20 marks each.
- Modes of Evaluation: Essay Assignment / Project Reports / Individual or Group Presentations / MCQs / Case Study Reports / Review-Report Assignments / Class Test (based on contents from the syllabus)

Semester End Examination (Total 60 Marks):

- Four questions will be asked – one from each unit respectively (15 Marks each)
- Each question will have an internal option (attempt A or B)
- Whole questions for 15 marks can be asked or Sub-questions (eg. three short notes for 5 marks each, two brief answers of 7.5 marks each) can be asked.

Question No.	Unit	Internal Option	Max. Marks
1.	I	A) _____ or B) _____	15
2.	II	A) _____ or B) _____	15
3.	III	A) _____ or B) _____	15
4.	IV	A) _____ or B) _____	15

M.A. Psychology Part 2 Syllabus Semester III & IV

Reference Books:

Andrew, T. D. (2007) *Eye Tracking methodology: Theory and Practice*. Springer.

Cabeza, R., & Kingstone, A. (2007). *Handbook of functional neuroimaging of cognition*. MIT CogNet.

Steven J. Luck (2014) *An Introduction to the Event-Related Potential Technique*. MIT Press.

Handy, T. C. (2009). *Brain Signal Analysis: Advances in neuroelectric and neuromagnetic methods*. MIT Press.

Jerodska, H, Holmqutz, K, & Anderson, R. (2011). *Eye-tracking: comprehensive guide to methods and measures*. Oxford University Press.

Kappenman, E. S, & Luck, S. J. (Eds.) (2011) *The Oxford Handbook of Event-Related Potential Components*. Oxford University Press.

Zilmer, E. A., Spiers, M. V., & Culbertson, W. C. (2008) *Principles of Neuropsychology*. Thompson.

M.A. Psychology Part 2 Syllabus Semester III & IV

Learning Objectives & Course Outcomes

Core Theory Paper VIII: Advanced Applied Psychometrics & Data Analytics

Semester		:	IV
Title of the Course		:	Advanced Applied Psychometrics & Data Analytics
Course Code		:	RJAPGPSY403
Credits		:	04
Duration		:	60 Lecture Hours
LEARNING OBJECTIVES			
1.	Understand the early foundations of Psychometrics: Classical Test Theory (CTT).		
2.	Grasp the principles of Modern Test Theory: Item Response Theory (IRT).		
3.	Illustrate the principles of Generalizability Theory and Big Data Analytics.		
4.	Outline the application of Psychometric Theory in various settings; and Software Analysis.		
COURSE LEARNING OUTCOMES			
On completing the course, the student will be able to:		PSO(s) Addressed	Bloom’s Level(s) Addressed
CLO1	Investigate the foundations of Psychometrics in CTT.	1, 3	3, 4, 5
CLO2	Investigate the principles of Modern Test Theory in IRT.	1, 3, 5	3, 4, 5
CLO3	Assess & apply Generalizability Theory & Big Data Analytics.	3, 4, 5	3, 4, 5
CLO4	Assess the applications of Psychometric Theory in various settings as well as Software Analysis in Psychometrics.	2, 3, 5, 6	5

M.A. Psychology Part 2 Syllabus Semester III & IV

PART II – SEMESTER IV		L	CR
Advanced Applied Psychometrics & Data Analytics	Course Code: RJAPGPSY403	60	04
Unit I: Psychometrics: Concepts, Classical Test Theory and Practice		15	
1. Psychometrics, Scaling, & Statistical Concepts			
2. Methods of Reliability & Validity Analyses: Conceptual basis and Empirical Estimation			
3. Factor Analysis and Test Dimensionality: steps & techniques in Exploratory & Confirmatory Factor Analysis; Structural Equations Modelling (SEM)			
4. Classical Test Theory (CTT): Assumptions, Ramification, & Practice			
Unit II: Modern test Theory and Practice		15	
1. Item Response Theory (IRT): basic concepts, models and estimations			
2. Models for Nominal and graded responses			
3. Nonparametric and Bayesian approach			
4. Other IRT models and applications to non-standard testing conditions			
Unit III: Generalizability Theory and Data analytics		15	
1. Concepts of Generalizability and Variance Component			
2. Generalizability (G-Theory): One-Facet, Two-facet, & other designs			
3. Basics of Big Data Analytics			
4. Basics of Machine Learning			
Unit IV: Applications of Psychometrics specific to settings & Software		15	
1. Psychometrics for Tests used in Industrial Settings & Clinical Settings			
2. Psychometrics for Educational Settings			
3. Developing Publication Quality instrument and its Manual			
4. Software Analysis: Reliability, Validity, Factor Analyses, SEM, IRT models			

M.A. Psychology Part 2 Syllabus Semester III & IV

EVALUATION (TOTAL 100 MARKS)

Pattern: 40-60 (40 Marks Internal Assessment, 60 Marks Semester End Exam)

Internal Assessment (Total 40 Marks):

- Two Internal Assessments (IA-1 & IA-2) will be conducted of 20 marks each.
- Modes of Evaluation: Software Application / Individual or Group Presentations / MCQs / Test Review Reports / Class Test (based on contents from the syllabus)

Semester End Examination (Total 60 Marks):

- Four questions will be asked – one from each unit respectively (15 Marks each)
- Each question will have an internal option (attempt A or B)
- Whole questions for 15 marks can be asked or Sub-questions (eg. three short notes for 5 marks each, two brief answers of 7.5 marks each) can be asked.

Question No.	Unit	Internal Option	Max. Marks
1.	I	A) _____ or B) _____	15
2.	II	A) _____ or B) _____	15
3.	III	A) _____ or B) _____	15
4.	IV	A) _____ or B) _____	15

M.A. Psychology Part 2 Syllabus Semester III & IV

Reference Books / Articles:

Huebner, A. & Lucht, M. (2019). Generalizability Theory in R. *Practical Assessment, Research & Evaluation*, 24(5). Available online: <http://pareonline.net/getvn.asp?v=24&n=5>

Borsboom, D. (2005). *Measuring the mind: Conceptual issues in Contemporary Psychometrics*. Cambridge University Press.

Furr, R. M. (2022). *Psychometrics: An introduction*. Sage.

Lord, F. M., Novick, M. R., & Birnbaum, A. (1968). *Statistical theories of mental test scores*. Addison-Wesley.

Nunnally, J. C., & Bernstein, I. H. (2010). *Psychometric theory*. Tata McGraw-Hill Ed.

Prajapati, V. (2013). *Big Data Analytics with R and Hadoop: Set up an integrated infrastructure of R and Hadoop to turn your data analytics into Big Data Analytics*. Packt Publ.

Rao, C. R., & Sinharay, S. (2007). *Handbook of Statistics 26: Psychometrics* (Vol. 26). Elsevier North-Holland.

Rust, J., Kosinski, M., & Stillwell, D. (2021). *Modern psychometrics: The Science of Psychological Assessment*. Routledge.

Students should also be referring to recent as well as classic papers published in Journals like: Psychometrika, Multivariate Behavioural Research, Educational and Psychological Measurement, etc.

M.A. Psychology Part 2 Syllabus Semester III & IV

Learning Objectives & Course Outcomes

Elective Paper I (Semester IV): Political Psychology

Semester		:	IV
Title of the Course		:	Political Psychology
Course Code		:	RJAPGPSYE401
Credits		:	04
Duration		:	60 Lecture Hours
LEARNING OBJECTIVES			
1.	Understand the interconnections between Personality, Cognition, Emotion – and Politics.		
2.	Learn about behaviours related to groups, leadership, & voting from the Political Psychology point of view.		
3.	Learn about Nationalism & Extremist Behaviours in the purview of Political Psychology.		
4.	Understand Protests, Revolutions, & International Security in the scope of Political Psychology.		
COURSE LEARNING OUTCOMES			
On completing the course, the student will be able to:		PSO(s) Addressed	Bloom’s Level(s) Addressed
CLO1	Evaluate the interrelationship of Personality, Cognition, Emotion – and Politics.	4	4, 5
CLO2	Assess Group, Leadership, & Voting Behaviours in the scope of Political Psychology.	4, 5	4, 5
CLO3	Assess Nationalism & Extremism in the scope of Political Psychology.	4, 5	4, 5
CLO4	Assess Protests, Revolutions, & International Security in the scope of Political Psychology.	4, 5, 6	4, 5

M.A. Psychology Part 2 Syllabus Semester III & IV

PART II – SEMESTER IV		L	CR
Elective I: Political Psychology	Course Code: RJAPGPSYE401	60	04
Unit I: Personality, Cognition, Emotion – and Politics		15	
1. Introduction to Positive Psychology Basics of Political			
2. Personality and Politics			
3. Cognition and Politics: Social Identity			
4. Emotions & Attitudes in Politics			
Unit II: Groups, Leaders, & Voting Behaviour		15	
1. Theoretical frameworks to understand Group Behaviour			
2. Group Decision Making & Political Behaviour			
3. Study of Political Leaders			
4. Voting Behaviour and Role of Media			
Unit III: Nationalism and Extremist Behaviour		15	
1. Patterns of Behaviour; Case Illustrations of Nationalism			
2. Nationalism & Foreign Policy; Conflict Prevention & Resolution			
3. Extremist Groups: Case Illustrations			
4. Terrorism and Genocide			
Unit IV: Protest and Revolution; International Security		15	
1. Collective Political Violence			
2. Politicized Collective Identity			
3. The Security Dilemma			
4. Psychology of Deterrence			

M.A. Psychology Part 2 Syllabus Semester III & IV

EVALUATION (TOTAL 100 MARKS)

Pattern: 40-60 (40 Marks Internal Assessment, 60 Marks Semester End Exam)

Internal Assessment (Total 40 Marks):

- Two Internal Assessments (IA-1 & IA-2) will be conducted of 20 marks each.
- Modes of Evaluation: Essay Assignment / Project Reports / Individual or Group Presentations / MCQs / Case Study Reports / Review-Report Assignments / Class Test (based on contents from the syllabus)

Semester End Examination (Total 60 Marks):

- Four questions will be asked – one from each unit respectively (15 Marks each)
- Each question will have an internal option (attempt A or B)
- Whole questions for 15 marks can be asked or Sub-questions (eg. three short notes for 5 marks each, two brief answers of 7.5 marks each) can be asked.

Question No.	Unit	Internal Option	Max. Marks
1.	I	A) _____ or B) _____	15
2.	II	A) _____ or B) _____	15
3.	III	A) _____ or B) _____	15
4.	IV	A) _____ or B) _____	15

M.A. Psychology Part 2 Syllabus Semester III & IV

Reference Books:

**Cottam, M. L., Mastors, E., & Preston, T. (2022). *Introduction to Political Psychology*.
Routledge.**

Jost, J. T. & Sidanius, J. (2004). *Political Psychology: Key Readings*. Psychology Press

Sniderman, P. M; Brody, R. A. Tetlock, P. E. (2010) *Reasoning And Choice: Explorations In
Political Psychology*. Cambridge.

Roazen, P. (2003). *Cultural Foundations of Political Psychology*. Transaction Publishers.

M.A. Psychology Part 2 Syllabus Semester III & IV

Learning Objectives & Course Outcomes

Elective Paper II (Semester IV): Peace Psychology

Semester		:	IV
Title of the Course		:	Peace Psychology
Course Code		:	RJAPGPSYE402
Credits		:	04
Duration		:	60 Lecture Hours
LEARNING OBJECTIVES			
1.	Understand various perspectives endorsing Peace Psychology.		
2.	Grasp the forms & aspects of –, and solutions to – Direct Violence.		
3.	Grasp the forms & aspects of –, and solutions to – Structural Violence.		
4.	Identify various Peace-building & Peace-making Interventions.		
COURSE LEARNING OUTCOMES			
On completing the course, the student will be able to:		PSO(s) Addressed	Bloom’s Level(s) Addressed
CLO1	Assess & rate various philosophies endorsing Peace Psychology.	4, 5	5
CLO2	Examine the forms & aspects of –, and solutions to – Direct Violence.	4	4, 5
CLO3	Examine the forms & aspects of –, and solutions to – Structural Violence.	4	5
CLO4	Evaluate various Peace-building & Peace-making Interventions and their effectiveness.	4, 5, 6	5

M.A. Psychology Part 2 Syllabus Semester III & IV

PART II – SEMESTER IV		L	CR
Elective II: Peace Psychology	Course Code: RJAPGPSYE402	60	04
Unit I: Perspectives of Peace Psychology		15	
1. Peace Psychology: Meaning, Need, Aim, Scope and Relevance			
2. Violence: Theories (Direct and Structural) and Causes			
3. Nonviolence: Thoughts of Phule, Gandhi, Ambedkar			
4. Effects of Violence and Nonviolence			
Unit II: Direct Violence		15	
1. Intimate Violence: Role of a Psychologist			
2. Violence against Minorities: Managing Multiculturalism			
3. Genocide: Psychological Perspective (Case Studies: 1984 Sikh Riots, 2002 Gujrat Riots, 2008 Kandhamal Violence, recent observations)			
4. Terrorism: Psychological Roots			
Unit III: Structural Violence		15	
1. Social Justice: Role of a Psychologist			
2. Women and Children as victims of structural violence			
3. Human Rights violations through structural violence			
4. Globalization and Its Impact on Cultural Identity			
Unit IV: Peace-building & Peace-making Interventions		15	
1. Personality and Peace: Empathy, Openness, Flexibility, Conscientiousness			
2. Reconciliation and Issues of Forgiveness			
3. Negotiation, Mediation, Communication, Assertiveness; Decision-Making, Problem-Solving, Critical Thinking Skills			
4. Conflict Development and Management, Transformation and Analysis			

M.A. Psychology Part 2 Syllabus Semester III & IV

EVALUATION (TOTAL 100 MARKS)

Pattern: 40-60 (40 Marks Internal Assessment, 60 Marks Semester End Exam)

Internal Assessment (Total 40 Marks):

- Two Internal Assessments (IA-1 & IA-2) will be conducted of 20 marks each.
- Modes of Evaluation: Essay Assignment / Project Reports / Individual or Group Presentations / MCQs / Case Study Reports / Review-Report Assignments / Class Test (based on contents from the syllabus)

Semester End Examination (Total 60 Marks):

- Four questions will be asked – one from each unit respectively (15 Marks each)
- Each question will have an internal option (attempt A or B)
- Whole questions for 15 marks can be asked or Sub-questions (eg. three short notes for 5 marks each, two brief answers of 7.5 marks each) can be asked.

Question No.	Unit	Internal Option	Max. Marks
1.	I	A) _____ or B) _____	15
2.	II	A) _____ or B) _____	15
3.	III	A) _____ or B) _____	15
4.	IV	A) _____ or B) _____	15

M.A. Psychology Part 2 Syllabus Semester III & IV

Reference Books:

Malley-Morrison, K., Mercurio, A., & Twose, G. (Eds.). (2013). *International handbook of peace and reconciliation*. Springer Science + Business Media. <https://doi.org/10.1007/978-1-4614-5933-0>

Christie, D. J., Wagner, R. V., & Winter, D. D. N. (Eds.). (2001). *Peace, conflict, and violence: Peace psychology for the 21st century*. Prentice Hall/Pearson Education.

Anstey, M. (1993). *Practical Peacemaking: A Mediator's Handbook*. Cape: Juta & Co.

Blumberg, H.H., Hare, P.A., & Costin, A. (2006). *Peace Psychology: A Comprehensive Introduction*. Cambridge University Press.

Bretherton, D., & Law, S. F. (Eds.). (2015). *Methodologies in peace psychology: Peace research by peaceful means*. Springer International Publishing. <https://doi.org/10.1007/978-3-319-18395-4>

Calloway-Thomas, C. (2010). *Empathy in Global World*, Indiana: Sage.

Jeong, Ho-Won. (2008). *Understanding Conflict and Conflict Analysis*. Sage.

Langholtz, H. J. (Ed.). (1998). *The psychology of peacekeeping*. Praeger Publishers/Greenwood Publishing Group.

MacNair, R. M. (2003). *The psychology of peace: An introduction*. Praeger Publishers/Greenwood Publishing Group.

Mayton, D. M. II. (2009). *Nonviolence and peace psychology: Intrapersonal, interpersonal, societal, and world peace*. Springer Science + Business Media. <https://doi.org/10.1007/978-0-387-89348-8>

Tropp, L. R. (Ed.). (2012). *The Oxford handbook of intergroup conflict*. Oxford University Press.

Waldron, V. R., & Kelley, D. L. (2008). *Communicating forgiveness*. Sage Publications, Inc. <https://doi.org/10.4135/9781483329536>

M.A. Psychology Part 2 Syllabus Semester III & IV

Journal Articles:

Abrahams, N., Jewkes, R., Laubscher, R., & Hoffman, M. (2006). Intimate partner violence: prevalence and risk factors for men in Cape Town, South Africa. *Violence and victims*, 21(2), 247–264. <https://doi.org/10.1891/vivi.21.2.247>

Linda M. Woolf & Michael R. Hulsizer (2005) Psychosocial roots of genocide: risk, prevention, and intervention, *Journal of Genocide Research*, 7:1, 101-128, DOI: [10.1080/14623520500045088](https://doi.org/10.1080/14623520500045088)

M.A. Psychology Part 2 Syllabus Semester III & IV

Learning Objectives & Course Outcomes

Research Project – Part II: Dissertation

Semester		:	IV
Title of the Course		:	Dissertation
Course Code		:	RJAPGPSYRP401
Credits		:	06
Duration		:	90 Hours
LEARNING OBJECTIVES			
1.	Bridge the gaps in the existing research; undertake a Culturally Informed Research: relevant to the local societies of India, as well as relevant to the Global needs.		
2.	Ethical conduction of Psychological Research & Data Collection.		
3.	Appropriate Data Analysis, Ethics, & Reporting Standards.		
4.	Effective Discussion & Evaluation of Findings.		
5.	Implications for Theory, Practice, & Society.		
6.	Synthesizing an original Research Dissertation.		
COURSE LEARNING OUTCOMES			
On completing the course, the student will be able to:		PSO(s) Addressed	Bloom’s Level(s) Addressed
CLO1	Bridge the gaps in the existing research; undertake a Culturally Informed Research: relevant to the local societies of India, as well as relevant to the Global needs.	3, 5, 6	6
CLO2	Undertaking Ethically sound Psychological Research & Data Collection.	3, 5, 6	6
CLO3	Apply Appropriate Analysis, Ethics, & Reporting Standards.	3	6
CLO4	Undertake Effective Discussion & Evaluation of Findings.	3	6
CLO5	Contribute to Implications for Theory, Practice, & Society.	3, 6	6
CLO6	Create an original Research Dissertation.	3, 6	6

M.A. Psychology Part 2 Syllabus Semester III & IV

GUIDELINES FOR DISSERTATION:

- Students have to conduct and report the same research study that they proposed and have gotten approved during the evaluation of Semester III.
- Students should incorporate all the suggestions given by the jury during the evaluations of their proposals. The same should be formally notified to their respective guides and then incorporated before conduction.
- Three copies of dissertation should be printed in the form of a black book [structure and formatting should be followed strictly]. One copy should be submitted to the Department, one to the respective research guide, and one will be the students' personal copy.

EVALUATION OF DISSERTATION (TOTAL 150 MARKS)

100 Marks: Evaluation by the Research Guide

- 75 Marks: Dissertation
- 25 Marks: Viva-voce

50 Marks: Evaluation by other Faculty Members (Averaged)

- Rubric of Evaluation shall be shared with the students at the beginning of Semester IV