



**SARDAR PATEL UNIVERSITY**  
**Vallabh Vidyanagar, Gujarat**  
**(Reaccredited with 'A' Grade by NAAC (CGPA 3.11))**  
**Syllabus with effect from the Academic Year 2025-2026**

**BA PSYCHOLOGY Semester 05**

Course Code	UA05MAPSY01	Title of the Course	<b>BIOLOGICAL PROCESS AND BEHAVIOUR</b>
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	1-To explore the biological basis of experience and behaviour. Objectives: 2-To develop an understanding of the influence of behaviour, cognition, and the Environment on bodily system. 3-To develop an appreciation of the neurobiological basis of psychological function and dysfunction
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Course Content		
Unit	Description	Weightage%
1	<b>Basics Concepts of Biological Psychology:</b> -Definition of Biological Psychology- Historical Development of Biological Psychology- Various Approaches of Biological Psychology ( Philosophical, Clinical, Experimental Approaches) - Cells and Structure of Cell	25%
2	<b>Systems of Human Body, Enzymes:</b> -Skeletal System – Muscular Systems – Circulatory Systems – Reproductive Systems – Endocrine System – Nervous System – Respiratory System – Digestive System – Excretory System – Enzymes – Nature Of Enzymes – Function Of Various Enzymes	25%
3	<b>Central nervous system and endocrine systems :</b> Central Nervous System – Spinal Cord – Function Of Spinal Cord – Brain: Types Of Brain – Function Of Brain – Endocrine System – Various Types Of Glands	25%
4	<b>Peripheral nervous system and vitamins :</b> Peripheral Nervous System: Somatic System – Autonomics Systems – Sympathetic Division – Para Sympathetic Division – What Is Reflection? – Types Of Reflection – Vitamins – Characteristics Of Vitamins – Function Of Various Vitamins	25%
Teaching Learning Methodology	ICT, Group Discussion Lecture method, Class room Seminar, quiz	

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1	Internal Written I Practical Examination (As per CBCS R.6.8.3)	15%
2	Internal Continuous Assessment in the form of Practical, Viva-voce, 15% Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3	University Examination	70%



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**Course Outcomes: Having completed this course, the Learner will be able to**

1	Understanding the basic concept of experimental psychology.
2	Learning the different methods ranging from carefully controlled experimental conditions of the lab to the more subjective method of introspection, to understand human mental processes.
3	Acquiring basic knowledge of core concepts in human cognition (e.g. sensitivity, perception, emotions and reasoning).

**Suggested References:**

Sr.	References
1	Breedlove, S.M., Rosenzweig, M. R., & Watson, N. V. (2007) Biological Psychology: An introduction to behavioural, cognitive, and clinical neuroscience, 5th Edition. Sinauer Associates, Inc., Sunderland, Massachusetts.
2	Carlson, N. R. (2009) Foundations of Physiological Psychology, 6th Edition.
3	Levinthal, C. F. (1983). Introduction to Physiological Psychology. New Delhi: PHI.
4	Pinel, J.P. J. (2011) Biopsychology, 8th Edition. Pearson Education, New Delhi.
5	Rozenweig, M. H. (1989). Physiological Psychology. New York: Random
6	શરીરલક્ષી મનોવિજ્ઞાન: સી.ટી.ભોપટકર, યુનિવર્સિટી ગ્રંથ નિર્માણ બોર્ડ, અમદાવાદ
7	શરીરલક્ષી મનોવિજ્ઞાન: ઉજમશી કાપડિયા અને ભરતકુમાર ગાંધી , અનડા પ્રકાશન
8	શરીરલક્ષી મનોવિજ્ઞાન: એમ.અમીન.મલિક, ભદ્ર, મહેતા, દવે: બી.એસ.સી.જમનાદાસ પ્રકાશન, અમદાવાદ

On-line resources to be used if available as reference material

On-line Resources: :

[www.varywelmind.com](http://www.varywelmind.com)

[www.all/about/psychology.com](http://www.all/about/psychology.com)

[www.sparknote.com](http://www.sparknote.com)

[www.psychologydiscussion.com](http://www.psychologydiscussion.com)

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**BA PSYCHOLOGY Semester 05**

Course Code	UA05MAPSY02	Title of the Course	<b>APPLICATION OF STATISTICS IN PSYCHOLOGY</b>
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	1-To equip the learner with an understanding of the concept and process of Experimental Psychology 2-To impart an understanding of the various domains of Experiment in Psychology
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Course Content		
Unit	Description	Weightage%
1	<b>Introduction to statistics:</b> Meaning of Statistics, Importance of Statistics in psychology. Function of Statistics, Various Terminologies of statistics	25%
2	<b>Frequency Distribution &amp; Graphical presentation:</b> Classification, types of Classification, Frequency Distribution, A describe series B -continuous series class limits class Interval ci midpoint or mid value, aphis of Frequency Distribution (Histogram, Frequency polygon, Frequency curve, Cumulative Frequency)	25%
3	<b>Measures of Central Tendency:</b> Mean, Mean ungrouped Data, Mean grouped Data, Median, Median ungrouped Data, Median grouped Data, Mode , Mode ungrouped Data, Mode grouped Data, median	25%
4	<b>Correlation:</b> Meaning of Correlation, 1 importance of Correlation, Types of Correlation, (positive and negative Correlation) Co efficiency of Correlation, Spearmen Rank Correlation,	25%
Teaching Learning Methodology	ICT, Group Discussion Lecture method, Class room Seminar, quiz	

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1	Internal Written I Practical Examination (As per CBCS R.6.8.3)	15%
2	Internal Continuous Assessment in the form of Practical, Viva-voce, 15% Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3	University Examination	70%



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**Course Outcomes: Having completed this course, the Learner will be able to**

1	Understanding the nature of measurement and its various levels. Learning basic techniques of descriptive and inferential statistics (parametric as well as non-parametric).
2	Developing skills to use quantitative techniques such as measures of central tendency, variability, and correlation.
3	Knowing how to use the normal probability curve as a model in scientific theory
4	Grasping concepts related to hypothesis testing and developing related computational skills

**Suggested References:**

Sr.	References
1	Aron, A., Aron, E.N., & Coups, E.J. (2007). Statistics of Psychology (11Ed.) India: Pearson Education, Prentice Hall.
2	Chadha, N.K. (1991) Statistics for Behavioral and Social Sciences. Reliance Pub. Use: New Delhi.
3	Mangal, S.K. (2012). Statistics in Psychology & Education. 2nd Edition. New Delhi: PHI
4	Guilford J.P. Fundamental statistics in Psychology and Education Philips H.D. An Introduction to Psychological statics
5	મનોવૈજ્ઞાનિક પ્રયોગો અને આંકડાશાસ્ત્ર : સી જમનાદાસની કંપની

On-line resources to be used if available as reference material

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[www.varywelmind.com](http://www.varywelmind.com)

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**BA PSYCHOLOGY Semester 05**

Course Code	UA05MAPSY03	Title of the Course	<b>EXPERIMENTAL PSYCHOLOGY PRACTICAL (INSTRUMENTAL)</b>
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	1-To equip the learner with an understanding of the concept and process of Experimental Psychology 2-To impart an understanding of the various domains of Experiment in Psychology
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Course Content	
Description in Detail Any five experiments (instrumental) with report writing	
	<b>Weightage%</b>
1. Colour performance by rank method and paired comparison method 2. to measure fluctuation of Attention 3. Problem solving 4. To study some phenomena of coetaneous sensibility 5. Measurement of optical Illusion in Muller-layer type figure 6. Maze learning 7. Suggestion by progressive weight Method 8. Span of Attention	100%
Teaching Learning Methodology	ICT, Group Discussion Lecture method, Class room Seminar, quiz

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1	Internal Written I Practical Examination (As per CBCS R.6.8.3)	15%
2	Internal Continuous Assessment in the form of Practical, Viva-voce, 15% Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3	University Examination	70%

Course Outcomes: Having completed this course, the Learner will be able to	
1	Understanding the basic concept of experimental psychology.
2	Learning the different methods ranging from carefully controlled experimental conditions of the lab to the more subjective method of introspection, to understand human mental processes.



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<b>Suggested References:</b>	
Sr.	References
1	<ol style="list-style-type: none"><li>1. Collins M. and Drever J . (1 9 4 9 ) : Experimental Psychology. Matheun &amp; Co. Ltd., London.</li><li>2. D 'Amato M. R. (1 9 7 6) : Experimental Psychology: Methodology Psychophysics and Learning . New York - Tokyo, McGraw Hill Kogakusha .</li><li>3. Postman L. and Egan J. (1 9 4 9) : Experimental Psychology. (Harper) &amp; Row (Kalyani Pub. Ludhiana. )</li><li>4. Underwood B. J. (1 9 4 9): Experimental Psychology - An Introduction. New York: Appleton Country Crofts Indian Reprint. The Finances of India Press</li><li>5. Woodworth R. S. &amp; Schosberg H. (1 9 3 8): Experimental Psychology. New York (Holt ) Rinehart and Winston Inc . Third Indian Reprint Oxford IBH Publishing Co New Delhi, Bombay, Calcutta.</li><li>6. Snodgrass and Haydon (). Human Experimental Psychology</li><li>7. Anderson John R. (1 9 8 0) Cognitive Psychology: and its implications. IInd edition, W. H. Freeman and Company, New York</li><li>8. પ્રાયોગિક મનોવિજ્ઞાન અને આંકડાશાસ્ત્ર : એન અમીન મલિક, ગાંધી, ભટ્ટ, જોશી વગેરે, સી. જમનાદાસની કંપની</li><li>9. પ્રાયોગિક મનોવિજ્ઞાન: એસ સી કાનાવાલા, યુનિવર્સિટી ગ્રંથ નિર્માણ બોર્ડ, અમદાવાદ</li></ol>
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**BA PSYCHOLOGY Semester 05**

Course Code	UA05MIPSY01	Title of the Course	<b>ADVANCE EXPERIMENTAL PSYCHOLOGY</b>
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	1-To equip the learner with an understanding of the concept and process of Experimental Psychology 2-To impart an understanding of the various domains of Experiment in Psychology
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Course Content		
Unit	Description	Weightage%
1	<b>Basics Concepts of Experimental methods :</b> Concept of Experiment, Nature of Experiment, Concept of variables, types of variables, (Independent, Dependent and control/relevant variables) scientific attitude, Experimental group and Control group, Methods of Control in Experiment	25%
2	<b>Psychophysics Methods :</b> What is psychophysics? Problem of psychophysics The basic concepts of psychophysics, -Sensitivity (Absolute Sensitivity, Difference Sensitivity) Threshold (Absolute Threshold, Difference Threshold ) Point of Subjective Equality (P.S.E.) Error in Experiment(Variables error & Constant error) methods in psychophysics, methods of minimum change, method of constant stimuli, method average error, methods of paired comparison	25%
3	<b>Visual Perception :</b> Definition of perception, Figure and background Perception of space, Perception of distance and Depth , perception of size, perception of form , perception of movement - physical and perceived Error in perception, theories of illusion, Measurement of illusion and use of illusion	25%
4	<b>Memory and Forgetting:</b> Definition of memory- stages of memory- short term memory - long term memory – relation between short term and long term memory	25%
Teaching Learning Methodology	ICT, Group Discussion Lecture method, Class room Seminar, quiz	

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1	Internal Written I Practical Examination (As per CBCS R.6.8.3)	15%
2	Internal Continuous Assessment in the form of Practical, Viva-voce, 15% Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3	University Examination	70%



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**Course Outcomes: Having completed this course, the Learner will be able to**

1	Understanding the basic concept of experimental psychology.
2	Learning the different methods ranging from carefully controlled experimental conditions of the lab to the more subjective method of introspection, to understand human mental processes.
3	Acquiring basic knowledge of core concepts in human cognition (e.g. sensitivity, perception, emotions and reasoning).

**Suggested References:**

Sr.	References
1	Collins M. and Drever J. (1949): Experimental Psychology. Matheun & Co.Ltd., London. Woodworth R. S. & Schosberg H. (1938): Experimental Psychology
2	D 'Amato M. R. (1976): Experimental Psychology: Methodology Psychophysics and Learning. New York - Tokyo, McGraw
3	Postman L. and Egan J. (1949): Experimental Psychology. (Harper) & Underwood B. J. (1949): Experimental Psychology
4	પ્રાયોગિક મનોવિજ્ઞાન: ઉજમશી કાપડિયા અને ભરતકુમાર ગાંધી, અનડા પ્રકાશન
5	પ્રાયોગિક મનોવિજ્ઞાન: સી.ટી.ભોપટકર, યુનિવર્સિટી ગ્રંથ નિર્માણ બોર્ડ, અમદાવાદ

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**BA PSYCHOLOGY Semester 05**

Course Code	UA05MIPSY02	Title of the Course	<b>HISTORY AND SYSTEMS IN PSYCHOLOGY</b>
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	1-To equip the learner with an understanding of the concept and process of Experimental Psychology 2-To impart an understanding of the various domains of Experiment in Psychology
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Course Content		
Unit	Description	Weightage%
1	Historical perspective of psychology and its features – Contribution of Wundt and Titchener in development of Structuralism – Contribution of John Dewey and James Angell in Functionalism- Difference between Structuralism and Functionalism	25%
2	Classical Conditioning and Behaviourism: Classical conditioning theory of Pavlov – Connectionism theory of Thorndike – Behaviourism theory of Watson – Contribution of earlier Behaviourist in psychology	25%
3	Psychoanalysis: Psychoanalysis theory of Freud – Id , Ego and Super ego – Dream Interpretation – Concept of unconsciousness by Freud	25%
4	Gestaltism and Individual Psychology: Basic principles of Gestaltism – Learning through Insight – Personality theory by Spranger – Personality theory by Allport	25%
Teaching Learning Methodology	ICT, Group Discussion Lecture method, Class room Seminar, quiz	

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1	Internal Written I Practical Examination (As per CBCS R.6.8.3)	15%
2	Internal Continuous Assessment in the form of Practical, Viva-voce, 15% Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3	University Examination	70%

<b>Course Outcomes: Having completed this course, the Learner will be able to</b>	
1	Understanding the theory and system of psychology.
2	Acquiring basic knowledge of core concepts in psychology theory (e.g. Structuralism, Functionalism, Classical Conditioning, Behaviourism, Psychoanalysis, Gestaltism and Individual Psychology )



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**Suggested References:**

Sr.	References
1	Chaplin J P and Krawiec- Systems and theories of Psychology – N Y Holt, Rinehart and Winston. 1979
2	Marx M H and Hillix W – Systems and theories in psychology, N Y McGraw Hill, 1973
3	Wolman B B – Contemporary theories and systems in psychology, N Y Harper and Row. 1960
4	મનોવિજ્ઞાનના સિદ્ધાંતો અને સંપ્રદાયો : ડો બી એ પરીખ , યુનિવર્સિટી ગ્રંથ નિર્માણ બોર્ડ, અમદાવાદ
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**BA PSYCHOLOGY Semester 05**

Course Code	UA05SEPSY01	Title of the Course	<b>PSYCHOLOGY OF MARRIAGE LIFE</b>
Total Credits of the Course	02	Hours per Week	02

Course Objectives:	To develop an understanding and awareness about marriage life. To understand problems and remedies of marriage life
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Course Content		
Unit	Description	Weightage%
1.	<b>Sex and Marriage</b> Concept of Human sexuality, (What is education in human sexuality, Present statues of education in human sexuality, The need for education in human sexuality,) Definition of marriage, The objectives of marriage, Fitness for marriage, Fitness for marriage, Eugenic Fitness in marriage,( heredity mechanism, heredity and environment, T.B.& Cancer & heredity, Mental dieses and heredity, marriage between relatives, choice of life companion in view of reproductive science)	25%
4.	<b>Health &amp; Happiness in Marriage</b> Reproductive Health-: Age for marriage, planning for first child, Age & Conception, Size of family, contraception & Sexual Adjustment, Contraception & Sterility, Vaginal Discharge, Health of Sexual relation-: Frequency of Intercourse, Frequency of Intercourse & Sexual Compatibility, The Rhythm of Sexual Desire, Rhythm of Sexual Desire & Fertility, Sexual relation during Menstruation, Sexual relation during Pregnancy and After child birth , Sexual Impulse after Menopause, Sexual Continence, Pre-marital Relations. Suggestions for Happy Marriage according to Dr. Hannah and Dr. Stone,	25%

Teaching-Learning Methodology	ICT, Group Discussion Lecture method, Class room Seminar, quiz
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination (As per CBCS R.6.8.3)	30%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	20%
3.	University Examination	50%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Understanding of the philosophical and psychological basis of relational interconnectedness that exists between and among members.
2.	Acquainting with the basics of relationship <i>science</i> so as to foster an appreciation of the dynamics of establishing, maintaining, and dissolving relationships
3.	Appreciating the developmental and social origins of human relationships

Suggested References:	
Sr.	References
1.	1-.Landis, J.t and Landis, Building a successful Marriage 4 <sup>th</sup> Ed.1965 M.G.2-Stone H.W. and Stone A Marriage Manual 1953 A.S
2.	Clemens A.H. Design for successful Marriage,2 <sup>nd</sup> Ed.1964
3.	Havelock Ellis - Psychology of sex - A Manual for student 1957
4.	- જાતીયતા અને દાંપત્યનું મનોવિજ્ઞાન - જી.આર.મન્સૂરી, દવે, મહેતા, શુક્લ, પટેલ, બી.એસ.શાહ - જાતીયતા અને દાંપત્યનું મનોવિજ્ઞાન - એમ.અમીન, માલિક, ભટ્ટ, મહેતા, દાવ. સી.જમનાદાસ પ્રકાશન - જાતીયતા અને દાંપત્યનું મનોવિજ્ઞાન - યોગેન ભટ્ટ, કે.કે.મહેતા, સી.બી.દવે, વિરલ પ્રકાશન - અમદાવાદ
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	<a href="http://www.sparknote.com">www.sparknote.com</a> <a href="http://www.psychologydiscussion.net">www.psychologydiscussion.net</a> <a href="http://www.cliffsnotes.com">www.cliffsnotes.com</a>