

SARDAR PATEL UNIVERSITY
Programme & Subject: B.A. Psychology (CBCS)
SEMESTER: V
Syllabus with Effect from: June -2020-2021

Objectives:

To equip the learner with an understanding of the concept and process of Experimental Psychology

To impart an understanding of the various domains of Experiment in Psychology

Paper Code: UA05CPSY21		Total Credit: 3
Title Of Paper: BASIC EXPERIMENTAL PSYCHOLOGY		
Unit	Description in Detail	Weightage (%)
1.	Basics Concepts of Experimental methods 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.	Psychophysics Methods 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.	Visual Perception 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.	Emotion Definition of Emotion, Expression of Emotion, Physiological changes in emotion, Study methods of Emotion- method of impression and method of expression of emotions. Emotion control, identifying the Emotion from facial expression	25%
Readings	.Collins M.and Drever J. (1949) : Experimental Psychology. Matheun & Co.Ltd., London. D 'Amato M. R. (1976): Experimental Psychology: Methodology Psychophysics and Learning. New York - Tokyo, McGraw Hill K . Postman L. and Egan J. (1949): Experimental Psychology. (Harper) & Underwood B. J. (1949): Experimental Psychology - An Introduction. Woodworth R. S. & Schosberg H. (1938): Experimental Psychology. Anderson John R. (1980) Cognitive Psychology: and its payoigk mnoiv) an jj mxl kapDlya Anewrtkmar ga6l AnDa pkaxn Amdavad payoigk mnoiv) an sl.3l.wop3kr yinvisBfgA inmaR boDRgjurat raJy Amdavad payoigk mnoiv) an Aæ.Amln ml lk, ga6l, wæ, j 08l vgee sl.Jmnadas pkaxn	



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OBJECTIVES:

- To explore the biological basis of experience and behavior.
- To develop an understanding of the influence of behavior, cognition, and the Environment on bodily system.
- To develop an appreciation of the neurobiological basis of psychological function and dysfunction.

Paper Code: UA05CPSY22		Total Credit: 3
Title Of Paper: BIOPSYCHOLOGY		
Unit	Description in Detail	Weightage (%)
1.	Introduction to biopsychology Concept of biopsychology Historical Development of biopsychology, Various Approaches of Biopsychology, (Philosophical, Clinical, Experimental Approaches)	25%
2.	Systems of Human Body Cells and Structure of Cell, Cell-wall membrane, Protoplasm (Cytoplasm) Nucleus, Tissue (Epithelial Tissue, Connective Tissue, Muscle Tissue, Nerve Tissue,) Skeletal system , Muscular system , circulatory system , reproductive system endocrine system , nervous system , respiratory system , digestive system , excretory system Internal Environment, Inter mediatory metabolism, metabolism of cell Enzymes, Nature of Enzymes, Function of Various Enzymes, Vitamins Characteristics of vitamins function of vitamins	25%
3.	The Functioning & Organization of nervous systems CNS: Structure and functions. CNS (Spinal Cord, Brain, Reticular Activating system, Limbic System,) PNS: Peripheral Nervous System: somatic system, autonomic system, Sympathetic Division, Para Sympathetic Division, what is reflexion? Types of reflexion, Reciprocal Inhibition, Reaction Time, Motor Unit	25%
4.	Endocrine System: Concept of Hormones & Types, Structure, functions and abnormalities of major glands: Thyroid, Para Thyroid, Thymus, Adrenal, Gonads, Pituitary, Pancreas and Pineal.	25%
Reading S	1. Breedlove, S. M., Rosenzweig, M. R., & Watson, N. V. (2007) Biological Psychology: An introduction to behavioral, cognitive, and clinical neuroscience, 5th Edition. Sinauer Associates, Inc., Sunderland, Massachusetts. 2. Carlson, N. R. (2009) Foundations of Physiological Psychology, 6th Edition. Pearson Education, New Delhi. 3. Levinthal, C. F. (1983). <i>Introduction to Physiological Psychology</i> . New Delhi: PHI. 4. Pines, J. P. J. (2011) Biopsychology, 8th Edition. Pearson Education, New Delhi. 5. Rozenweig, M. H. (1989). <i>Physiological Psychology</i> . New York: Random 6. Miller, Kenneth & Levine Joseph (2000). <i>Biology</i> . Prentice Hall , Massachusetta . 7. Baron, Robert (1999) - <i>Psychology</i> . Prentice -Hall of India Private Limited, New 8. Greenfield Susan (1996) - <i>The Human mind explained</i> . Cassell Publishers Limited, xrlrl 9l mnoiv)an sl.3l.wop3kr yinvisBfg4 inmaR boDRjurat raJy Amdavad xrlrl 9l mnoiv)an jj mxl kapDlya Anewrtkuar ga6l AnDa pKaxn Amdavad xrlrl 9 mnoiv)an +.Aar mlstl,xkl ,p3e, mh6a, dvel.Ae.xah pKaxn Amdavad xrlrl 9l mnoiv)an Aa.Amln ml lk,w3, mh6a, dvel.Ae. sl.Jmnadas pKaxn Amdavad	



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Objective:

To educate students with the process and the methods of quantitative and qualitative psychological research traditions.

Paper Code: UA05CPSY23		Total Credit: 3
Title Of Paper: PSYCHOLOGICAL RESEARCH		
Unit	Description in Detail	Weightage (%)
1.	Basics of Research in Psychology What is Psychological Research? Types of Psychological Research; Principles(Criteria) of Good Research; Importance of research process, Importance of knowledge research,	25%
2.	Selection of Research Problem and Hypothesis Selecting a topic for research, Formulating a specific research problem, defining concept and deciding on operations to represent them, relating the study to other knowledge, determining the feasibility of the project, considering the ethics of the study as planned	25%
3.	Methods of Data Collection Sampling; Probability Sampling Methods and Non Probability Sampling Methods. Some basic definitions and concepts,(population, sub-population, census, sample, margin of error and probability, parameter and statistics,) sampling methods (probability sampling 1-simple random sample, 2-stratified random sample 3-cluster sample) (non- probability sampling—1-Accidental sample,2-quota sample,3-purposive sample)	25%
4.	Non Experimental Methods Surveys, Focus Group Discussion, Interviews. survey Methods: - Definition of survey, purpose of survey, the subject matter of survey, Preliminary Studies.-(1-guidance of experts,2- study of survey literature) the main survey planning problem.-(1-Objectives and resource,2-coverage,3-collection of data, 4-Questionnaire 5-errors,6-field work,7-processing and analysis,8-documents, 9-timing,cost and staffing.) Pre-Test and pilot Test (surveys)	25%
Read ings	Chadha, N.K. (2009) Applied Psychometry. Sage Pub: New Delhi. Dyer, C. (2001) <i>Research in Psychology: A Practical Guide to Research Methodology and Statistics (2nd Ed.)</i> Oxford: Blackwell Publishers Gregory, R.J. (2006). <i>Psychological Testing: History, Principles, and Applications (4th Ed.)</i> . New Delhi: Pearson Education. Roesn , R . L . , Rosenthal , R . (2 0 0 2) . Beginning Behavioural Research: McGuigan F. J (1969) : Experimental Psychology.Prentice Hall of India Private Selltiz C , Jahoda M . & Cook S. W. (1 9 6 1): Research Methods in Social Relations. Holt, Rinchart and Winston, New York Underwood B. J. (1957): Psychological Research. Appleton Century Crafts . A . K . (1987): Tests, Measurement & Research Methods in Behavioral Sciences . Tata McGraw Hill , Bombay. Shaugnessy (1990):Research Methods in Psychology.Tata McGraw -Hill mn0iv)annup^6itxaSt/]j mxl kapDlya Ane wrtkmar ga6l AnDa pKaxn Amdavad s×06nnl p^6it.../-Aē.Aar yai)k,!ll a,c04a` l. A9r piBl k8n Amdavad	



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Programme & Subject: B.A. Psychology (CBCS)
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Objective:

To develop an understanding and awareness about marriage life.

To understand problems and remedies of marriage life

Paper Code: UA05CPSY24		Total Credit: 3
Title Of Paper: PSYCHOLOGY OF MARRIAGE LIFE		
Unit	Description in Detail	Weightage (%)
1.	Sex and Marriage 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 diseases and heredity, marriage between relatives, choice of life companion in view of reproductive science)	25%
2.	Maturity for Marriage Factors of Maturity for Marriage, scitsiretcarahc of Maturity for Marriage, Who is a Mature Individual? Age as factor in redness for Marriage.	25%
3.	Sexual Difference & Role Implications for Marriage Status of women in past, Changing Status of women, Biological Differences or Social Conditioning, Interdependence of Roles, Attitudes towards Roles, Role conflicts for men, Inconsistencies Concerning Roles,	25%
4.	Health & Happiness in Marriage 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%
Readings	1-.Landis, J.t and Landis, Building a successful Marriage 4 th Ed.1965 M.G. 2-Stone H.W. and Stone A Marriage Manual 1953 A.S. 3-Clemens A.H. Design for successful Marriage,2 nd Ed.1964 4-Havelock Ellis - Psychology of sex - A Manual for student 1957 5-=ityta Anedaplynumnoiv) an b9l,dvemhēa, kollSak3r, w ^a Akæ pKaxn Amdavad 6-=ityta Anedaplynumnoiv) an +.Aar mllsbl,xll ,p3ē, mhēa, dvebl.Aē.xah pKaxn Amdavad 7-=ityta Anedaplynumnoiv) an Aæ.Amln ml lk,w ^a ,mhēa, dvebl.Aē. sl.Jmnadas pKaxn Amdavad 8-=ityta Anedaplynumnoiv) an yogæ w ^a ,keke mhēa,sl.bl. dve, ivrl pKaxn Amdavad	

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Syllabus with Effect from: June -2020-2021

Objective: To familiarize students with the psychological research and basics of statistical methods and tools used in descriptive statistics of quantitative research.

Paper Code: UA05CPSY25		Total Credit: 3
Title Of Paper: APPLICATION OF STATISTICS IN PSYCHOLOGY		
Unit	Description in Detail	Weightage (%)
1.	Introduction to statistics Meaning of Statistics, Importance of Statistics in psychology, Function of Statistics, Various Terminologies of statistics	25%
2.	Frequency Distribution & Graphical presentation 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.	Measures of Central Tendency Mean, Mean ungrouped Data, Mean grouped Data, Median, Median ungrouped Data, Median grouped Data, Mode , Mode ungrouped Data, Mode grouped Data, median,	25%
4.	Correlation Meaning of Correlation, Importance of Correlation, Types of Correlation, (positive and negative Correlation) Co efficiency of Correlation, Spearman Rank Correlation,	25%
Read ings	<p>Aron, A., Aron, E.N., & Coups, E.J. (2007). <i>Statistics for Psychology</i>. (4th Ed.) India: Pearson Education, Prentice Hall.</p> <p>Chadha, N.K. (1991) <i>Statistics for Behavioral and Social Sciences</i>. Reliance Pub. House: New Delhi.</p> <p>Coolican, H. (2006). <i>Introduction to Research Methodology in Psychology</i>. London: Hodder</p> <p>Mangal, S.K. (2012). <i>Statistics in Psychology & Education</i>. 2nd Edition. New Delhi: PHI learning Pvt. Ltd.</p> <p>Guilford J.P. <i>Fundamental statistics in Psychology and Education</i></p> <p>Philips H.D. <i>An Introduction to Psychological statics</i>,</p> <p>Garrett H.E <i>statics in Psychological and Education</i></p> <p>Walker H.M. <i>Elementary staticallyly methods</i></p> <p>mnoiv) anma>Aak&DaxaSt/bl. Am. x# Anej esl. xah yinvis& gA inmaR boDR gjurat raJy</p> <p>payoigk mnoiv) an AneAak&Daxast/ Am. Amln ml lk, ga6l, w^α, j o8l vgee</p> <p>Saxo6nnl p^6it... Jmnadas pKaxn Amdavad</p>	



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To understand problems and remedies of marriage life

Paper Code: UA05CPSY26		Total Credit: 3
Title Of Paper: EXPERIMENTAL PRACTICAL (INSTRUMENTAL)		
Unit	Description in Detail Any five experiments (instrumental) with report writing	Weightage (%)
	<ol style="list-style-type: none"> 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 	
Read ings	<ol style="list-style-type: none"> 1. Collins M. and Drever J . (1 9 4 9) : Experimental Psychology. Matheun & Co. Ltd., London. 2. D 'Amato M. R. (1 9 7 6) : Experimental Psychology: Methodology Psychophysics and Learning . New York - Tokyo, McGraw Hill Kogakusha . 3. Postman L. and Egan J. (1 9 4 9) : Experimental Psychology. (Harper) & Row (Kalyani Pub. Ludhiana.) 4. Underwood B. J. (1 9 4 9): Experimental Psychology - An Introduction. New York: Appleton Country Crofts Indian Reprint. The Finances of India Press 5. Woodworth R. S. & Schosberg H. (1 9 3 8): Experimental Psychology. New York (Holt) Rinehant and Winston Inc . Third Indian Reprint Oxford IBH Publishing Co New Delhi, Bombay, Calcutta. 6. Snodgrass and Haydon (). Human Experimental Psychology 7. Anderson John R. (1 9 8 0) Cognitive Psychology: and its implications. IInd edition, W. H. Freeman and Company, New York 8. પાઠોગિક મનોવિજ્ઞાન અને આકર્ષક અસર / આમલિન મિલક, ગાંધી, વા, જી ૦૮૧ વગેરે. જમનાદાસ પુસ્તકાલય અમદાવાદ 9. પાઠોગિક મનોવિજ્ઞાન આસ. સી. કાનાવાલ યુનિવર્સિટી ગાંધી નિર્માણ બોર્ડ રજીસ્ટર્ડ રાજ્ય અમદાવાદ 	



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Objective:

1. To equip the learner with an understanding of the concept of Sports Psychology.
2. To impart an understanding of the application of theory of Psychology in sports

Paper Code: UA05DPSY21 DISCIPLINE SPECIFIC ELECTIVE (DSE)		Total Credit: 3
Title Of Paper: SPORTS PSYCHOLOGY		
Unit	Description in Detail	Weightage (%)
1.	Psychology and sports Definitions and nature of Psychology – Field and branches of Psychology – Definition of sports Psychology – Definitions of Play – Theories of Play – Value of Play – Place of play in physical education	25%
2.	Unit 2 – Physical education and Psychology General and Specific objectives of Physical education – Relation between psychology and Physical education – Psychological study field in Physical education – Needs of psychology in Physical education	25%
3.	Unit 3 - Methods Physical education and Psychology Introspection – Observation – Experiment – Clinical – Developmental – Rating scale and Questionnaire – Testing method	25%
4.	Unit 4 – Behavior, individual differences and Physical education Meaning, kinds and nature of behavior – Process of behavior – S-O-R Theory – Factors affecting Response – Basic characteristics of behavior – Definitions of individual differences – types of individual differences – Causes of individual differences – Physical education and individual differences	25%
Read ings	1. Mangal and Bhatia, Psychology in Physical Education and Sports, Prakash Brothers, Ludhiana 2. Pande and Yogendra vijay, Shiksha evam Khel Manovigyan, Amrut prakashan, Nagpur 3. Desai K.G., shaikshanik Manovigyan, Jay Bharat prakashan, Ahmedabad 4. Desai D.M., Manovigyan ni pagdandi, A.R.Sheth ni Co., Ahmedabad	

