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GUJARAT UNIVERSITY
B.A. PSYCHOLOGY

SEMESTER - V

(SYLLABUS)

Paper-301 : Research Methods in Psychology – I

Paper-302 : Experimental Psychology practical & statistics – I

(Only Statistics for regular and External students.)

Paper-303 : Optional Any **one** of following :

(i) Psychology of sex and married life. – I **OR**

(ii) Environmental Psychology – I

Paper-304 : Optional Any **one** of following :

(i) Psychology in industrial organisation. – I (For Regular & External students)

(ii) Experimental Psychology (Theory) – I (Only for Regular students)

Paper 305 : Counselling Psychology – I

Semester – V

Core - 301

RESEARCH METHODS IN PSYCHOLOGY - I

Objectives :

(1) To acquaint Students with the basic concepts of Research methods.

(2) To Provide Students a Perspective of Research methods.

UNIT	DETAILED SYLLABUS
Unit – I	Social Research Process : <ul style="list-style-type: none">- Meaning-Functions of Research- Value of understanding research process- Steps in Research Process.
Unit – II	Selection and Formulation of research problem : <ul style="list-style-type: none">- Selection of the research subject.- Characteristics of a researchable problem.- Feasibility of research programme.- Hypothesis-definitions-Sources and types of hypothesis.

Unit – III	Principles of Sampling : <ul style="list-style-type: none"> - Some basic concepts and definitions : - Sampling techniques : - Probability and non-probability Sampling.
Unit – IV	Experimental method : <ul style="list-style-type: none"> - Meaning - characteristics of an experiment - Meaning of variables - types of variables - Natural Experiment and Laboratory Experiment - Steps in Experimentation.

Total Marks: 100

Marks: External Evaluation : 70 Marks (For Regular Students)

Internal Evaluation: 30 Marks (For Regular Students)

Break up of internal evaluation: (For Regular Students)

1. Present -	05 marks
2. Assignment -	05 marks
3. Seminar / Field Visit -	05 marks
4. Internal Exam -	15 marks
Total -	30 marks

Reference Books

1. Selltiz C. Jahoda, Deatch M. and Cook S. W. Research methods in behavioural Science. New York, 1953.
2. Festinger and Katz D. Research methods in behavioral Sciences., Holt, Rinchart and Winstone, New York.
3. Kerlinger F. N. (2000). "Foundation of behavioral research". Fifth edition- (Surjeet Publication, Delhi).

Available Books

1. Kothari C. R. (1990) Research Methodology. IInd edition, Wishwa Prakashan, New Delhi.
2. Anna anastach-"Psychological Testing" Mac Millan Co. Ltd., London, 6th edition.
3. B.F. Anderson-"Experimental Psychology".
4. George Jimmy-"Experimental Psychology".
5. Maser C. A. - "Survey methods in Social Investigation". Hei Neman, London, 1967.

Modern Books

1. Research methods in Psychology Sixth Edition. David G. ELMES, BARRY H. KANTOWITZ, HENRY L. ROEDIGER III. Brooks/Cole Publishing Company I (R) P An International Thomson Publishing Company.
2. How to Research IInd edition. Loraine Blaxter, Christina Hughes, Malcolm Tight. Viva Books Private Limited (1997) New Delhi, Mumbai, Chennai, Kolkata.
3. Research Methods in Psychology IV Edition. John J. Shaughnessy. Eugene B. McGrew Hill Co., Zechmeister.

ગુજરાતી સંદર્ભ પુસ્તકો :

1. મનોવિજ્ઞાનનું પદ્ધતિશાસ : સી. જમનાદાસની કંપની - ૧૯૭૬ - ૭૭ પ્રકરણ - ૮, ૯
2. સંશોધનની પદ્ધતિઓ : (૧૯૯૯-૨૦૦૦) : સી. જમનાદાસની કંપની
3. સંશોધન પદ્ધતિ (વાર્તાનિક વિજ્ઞાનાનોમાં) : પ્રા. ડૉ. એલ.આર.યાજ્ઞિક, પ્રા. ડૉ. બી.ડી. ઢીલા, પ્રા. ડૉ. કે. બી. ચોથાણી, અક્ષર પબ્લીકેશન, માર્ચ - ૨૦૦૪

Semester – V

Core - 302

EXPERIMENTAL PSYCHOLOGY PRACTICAL & STATISTICS- I **STATISTICS : 302**

(Only Statistics for regular and External students.)

Objectives :

- (1) To acquaint Students with the basic concepts of Statistics
- (2) To Provide Students a Perspective of Statistics

UNIT	DETAILED SYLLABUS
Unit – I	આંકડાશાસ્ત્ર અને માપન :- આંકડાશાસ્ત્રની પદ્ધતિઓના અભ્યાસની જરૂર - પ્રાપ્તાંકોનો અર્થ - ખંડિત અને અખંડિત શ્રેણી - સાંખ્યકીયમાં લગભગ કિંમતો- અર્થસૂચક અંગેનો અર્થ - ચોક્કસ અને લગભગ આંકડા ગણતરીના નિયમો આવૃત્તિ વિતરણ - આવૃત્તિ વિતરણના કોઠાની રચના -વર્ગ લંબાઈ રચનાઓ અને મધ્ય કિંમત આલેખ પદ્ધતિઓ - સ્તંભાલેખ - આવૃત્તિ બહુકોણ - આવૃત્તિ વક્ર - સંચયી આવૃત્તિ
Unit – II	મધ્યવર્તી સ્થિતિના માપ :- વર્ગીકૃત અને અવર્ગીકૃત માહિતી માટે મધ્યકની ગણતરી માટેની લાંબી અને ટૂંકી રીત - વર્ગીકૃત અવર્ગીય માહિતી માટે મધ્યસ્થ - મધ્યસ્થની ગણતરી - બહુલક

	-ક્યારે મધ્યક, મધ્યસ્થ કે બહુલકનો ઉપયોગ કરવો જોઈએ? સહસંબંધાંક - સહસંબંધાંકની ગણતરી
Unit – III	શતાંશકો: - ચતુર્થકો - દશાંશકો - વર્ગીકૃત-અવર્ગીકૃત માહિતી માટે ચતુર્થકો, દશાંશકો અને શતાંશકો શોધવાની રીત પ્રતિશત ક્રમાંક: - આપેલી માહિતી માટે પ્રતિશત ક્રમાંકની ગણતરી
Unit – IV	પ્રસારમાન (I) :- વિસ્તાર - ચતુર્થક વિચલન - વર્ગીકૃત માહિતી માટે ચતુર્થક વિચલનની ગણતરી પ્રસારમાન (II) :- સરેરાશ વિચલન - પ્રમાણિત વિચલન - વર્ગીકૃત અને અવર્ગીકૃત માહિતી માટે પ્રમાણિત વિચલન ગણવાની ટૂંકી અને લાંબી રીત

Total Marks: 100

Marks: External Evaluation : 70 Marks (For Regular Students)

Internal Evaluation: 30 Marks (For Regular Students)

Break up of internal evaluation: (For Regular Students)

1. Present -	05 marks
2. Assignment -	05 marks
3. Seminar / Field Visit -	05 marks
4. Internal Exam -	15 marks
Total -	30 marks

Reference Books

1. 'Elementary Statistics' - Garret H. E.
2. 'Basic Statistical Method', Dawine N. M. & Heath R. W.

Semester – V

Core - 303

PSYCHOLOGY OF SEX AND MARRIED LIFE - I

Objectives :

- (1) To acquaint Students with the basic concepts of Psychology of sex and married life
- (2) To Provide Students a Perspective of Psychology of sex and married life

UNIT	DETAILED SYLLABUS
Unit – I	Sex & Marriage : - Human Sexuality - Concept of human sexuality-Variou Definitions - The need for education in Human sexuality - What is education In Human sexuality - Present status of education in Human sexuality Marriage

	<ul style="list-style-type: none"> - Definition of Marriage - Fitness for the Marriage - Maturity for marriage
Unit – II	<p>The Biology of marriage – Male & Female :</p> <ul style="list-style-type: none"> - Structure and Function of male sexual Organs – External Organs – Internal Organs - Structure and Function of Female sexual Organs – External Organs – Internal Organs
Unit – III	<p>Sexual Differences & Sexual Adjustment in Marriage :</p> <p>Sexual Differences:-</p> <ul style="list-style-type: none"> - Biological Differences in Male and Female – Differences of Achievement in Male and Female – Interdependence of Roles <p>Sexual Adjustment in Marriage :-</p> <ul style="list-style-type: none"> - Mutuality in sexual Intercourse – causes of poor sexual Adjustment – Cultural conditioning of sexual Response – Strength of sex Drive – Frequency of coitus
Unit – IV	<p>Sexual Variants & Gender Variants :</p> <ul style="list-style-type: none"> - The Paraphilias : 1. Fetishism 2. Transvestic Fetishism 3. Voyeurism 4. Exhibitionism 5. Sadism 6. Masochism - Gender Identity Disorders <ul style="list-style-type: none"> 1. Gender Identity Disorder of Childhood 2. Transsexualism

Total Marks: 100

Marks: External Evaluation : 70 Marks (For Regular Students)

Internal Evaluation: 30 Marks (For Regular Students)

Break up of internal evaluation: (For Regular Students)

1. Present -	05 marks
2. Assignment -	05 marks
3. Seminar / Field Visit -	05 marks
4. Internal Exam -	15 marks
Total -	30 marks

References Basic Books

1. Stefan Bechtel, Laurence Roy Stains “Sex A Man’s Guide” Rajendra publishing house Pvt. Limited, Mumbai 400018 First Indian edition, 1997
2. Dhun Panthaki “Education in human sexuality” Family planning association of India. Bajaj Bhavan Nariman point, mumbai 400021, 1997
3. Carson, R. C., Butcher J. N. & Mineka S. “Abnormal Psychology and modern life” 11th Edi. 2000 First Indian reprint 2003 Pearson Education (Singapore) Pvt. Ltd. Indian branch 482 f.I.E. Patparaganj. Delhi 110092 India
4. Stone H. M. and stone A. “A Marriage Manual” Pocket book distributing company, 11 Oak-lane, Fort Bombay India. 1953
5. Landis J. T. & Landis M. G.. “Building a successful marriage” 7th Edi. 1977 Prentice-Hall INC. Englewood, Eliffs, New Jersy. 07632.
6. Singh Chitralekha, Nath Prem Hindu Manners, customs and ceremonies, Crest Publishing House, New Delhi 1st Edi. 1999

References from Internet

1. Dictionary definition of **marriage** The American Heritage® Dictionary of the English Language, Fourth Edition© 2004., Published by Houghton Mifflin Company.
2. Encyclopedia information about **marriage** The Columbia electronic Encyclopedia, Sixth Edition© 2003, Columbia University Press.
3. Wikipedia information about human sexuality
4. “Human Sexuality”, Microsoft® Encarta® Online Encyclopedia 2005 <http://encarta.msn.com>© 1997-2005 Microsoft Corporation.
5. The internet encyclopedia of Philosophy.

Reference Books Recommended for the Additional Study

1. Kothari Prakash “Common sexual problems-Solutions. july 1987 VRP Publishers, Bombay 400 007.
2. Dr. Shah Hansa Navnit. “Stree Rog Shastra” Uni. Granath Nirman board. Gujarat Rajya, Second Edi. 2004
3. Masters W. H., Johnson V. E. and Kolodny R. C. “Sex and Human Loving” 14th Jaico Impression, 2001 Jaico publishing House Mumbai
4. Bechtel Stefan “The practical encyclopedia of sex and Health”. Rajendra Publishing house, Bombay 400 018.
5. Dr. Gandhi Harkisan & Others “Lagna Pehla ane Pachhi” Reprint 1997 Navbharat Sahitya mandir, Ahmedabad-380 001.
6. L. Beam, Man and Woman Relationship - A medical study of sex adjustment Edition-2004 Shrishti Book Distributors, 4378/ 4B, 202 J.M.D. House, Ansari Road, Dariyaganj, New Delhi-110 002.

Semester – V
Core - 303
ENVIRONMENTAL PSYCHOLOGY – I

Objectives :

- (1) To acquaint Students with the basic concepts of Environmental Psychology.**
- (2) To Provide Students a Perspective of Environmental Psychology**

UNIT	DETAILED SYLLABUS
Unit – I	<p>Environmental Psychology : Introduction :</p> <ul style="list-style-type: none"> - Developmental History of Environmental Psychology - Human life and Environmental Problems. - Meaning and Nature of Environment. - Definition, Nature and characteristics of Environmental Psychology - Fields or scope of Environmental Psychology - Goals and Utility of Environmental Psychology
Unit – II	<p>Methods of Environmental Psychology :</p> <ul style="list-style-type: none"> - Obtrusive & unobtrusive methods - Observation method - Self report method - Analysis of records & documents - Scaling method - Co-relational method - Experimental method - Case Study
Unit – III	<p>Human Behaviour and Environmental Stimulation :</p> <ul style="list-style-type: none"> - Changes in Environment - Stress - Arousal - Excessive Environmental stimulation - Under stimulation and Behaviour - Environmental restriction - Research on Environment - Effect of Environment
Unit – IV	<p>Effect of Environment on Behaviour :</p> <ul style="list-style-type: none"> - Adaptation level theory - Reaction to Environmental stimulation - Stimulation level and human reaction. - Meaning of Environmental pollutants. - Origin of pollutants

	- Causes of increase in pollution - Pollution control.
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Total Marks: 100

Marks: External Evaluation : 70 Marks (For Regular Students)

Internal Evaluation: 30 Marks (For Regular Students)

Break up of internal evaluation: (For Regular Students)

1. Present -	05 marks
2. Assignment -	05 marks
3. Seminar / Field Visit -	05 marks
4. Internal Exam -	15 marks
Total -	30 marks

Reference Books

1. Dr. M. Rajmanickam (1994) ‘ Contemporary fields of psychology and Experiments ‘ Concept Pub. Co., New Delhi.
2. Bell P. A., Fisher I. D., Baum A., and Greene T. C. (1990) ‘Environmental Psychology, (3rd Edition), Harcourt Brace Jovanovich College Pub., U.S.A.
3. Ittelson W. H., Proshansky H. M., Rilvin E. G., Winkel G. H. & Dempsey (1974) ‘ An Introduction to Environmental Psychology’ New York.
4. Dave C. B., Patel N. S., & Panchal D. J. (2003-2004) ‘ Paryavaran nu Manovignan’, Suchita Prakashan, Ahmedabad.

Semester – V

Core - 304

PSYCHOLOGY IN INDUSTRIAL ORGANISATION – I

(For Regular and External students)

Objectives :

- (1) **To acquaint Students with the basic concepts of Psychology in Industrial Organisation**
- (2) **To Provide Students a Perspective of Psychology in Industrial Organisation**

UNIT	DETAILED SYLLABUS
Unit – I	Scope of Industrial Psychology : - Subject-matter of Psychology - Psychology applied to Industrial Problems - Industrial Psychology as a Profession

	Job-Analysis : - Uses <ul style="list-style-type: none"> - Sources of Information - Assembling Job-Information - Job-Specification
Unit – II	Evaluation Techniques : <ul style="list-style-type: none"> - Application Forms - Employment Interview - References and Letters of Recommendation Psychological Testing : <ul style="list-style-type: none"> - Principles of Psychological testing - An overview of a Testing Programme - Administering Psychological Test - Types of Psychological Tests - Limitations of Psychological Testing
Unit – III	Engineering Psychology : <ul style="list-style-type: none"> - History and Scope of Engineering Psy. - Time and Motion Study - Person-Machine Systems - Workspace Design - Computers
Unit – IV	Fatigue : <ul style="list-style-type: none"> - Fatigue, Meaning and Nature - Measurement of Fatigue - Physiological and Subjective Components of Fatigue - Alleviation of Fatigue Boredom : <ul style="list-style-type: none"> - Boredom - Meaning and Nature - Distinction between Fatigue and Boredom - Personal Characteristics related to Boredom. - Alleviation of Boredom.

Total Marks: 100

Marks: External Evaluation : 70 Marks (For Regular Students)

Internal Evaluation: 30 Marks (For Regular Students)

Break up of internal evaluation: (For Regular Students)

1. Present - 05 marks

2. Assignment - 05 marks

3. Seminar / Field Visit - 05 marks

4. Internal Exam - 15 marks

Total - 30 marks

Basic Books :

1. Siegal and Lane 3rd ed. 'Psychology in Industrial Organization' Bombay.

- D. B. Taraporwala and Co.
 2. Schultz, D. and Schlutz, S.E. (2002) 'Psychology and Work Today' Delhi, Person Education (First Indian Report, 2004).

Semester – V

Core - 304

EXPERIMENTAL PSYCHOLOGY (THEORY) – I

(Only for regular students)

Note : External student cannot take this paper as an optional paper

Objectives :

- (1) To acquaint Students with the basic concepts of Experimental Psychology.
 (2) To Provide Students a Perspective of Experimental Psychology

UNIT	DETAILED SYLLABUS
Unit – I	Experimental Method : - Introduction. - Meaning and Types of Experiment. - Meaning and Types of Variable. - Forms of Behaviour. - Advantages and Limitations of Experimental Method.
Unit – II	Control in Experiment : - Meaning and Types of Experimental Error. - Experimental Design. - One group design (before-after technique) - Separate group design (Experimental and Control Group) - Various Techniques for Control. - Single and Double Blind Technique. - Matching. - Randomization. - Counter balancing.
Unit – III	The Psychophysics : - Psychophysics - Introduction. - Types of Measurement Scales. - Meaning of Psychophysical Methods. - The basic Problems in Psychophysics. - The basic concept of Psychophysics. (1) Sensitivity (2) Threshold (3) Point of Subjective Equality (4) Variable and Constant Errors.
Unit – IV	Methods of Psychophysics : - The Method of Minimal Changes. - The Method of Constant Stimuli. - The Method of Average Error. - Method of Ranking.

Total Marks: 100

Marks: External Evaluation : 70 Marks (For Regular Students)
Internal Evaluation: 30 Marks (For Regular Students)

Break up of internal evaluation: (For Regular Students)

1. Present -	05 marks
2. Assignment -	05 marks
3. Seminar / Field Visit -	05 marks
4. Internal Exam -	15 marks
Total -	30 marks

Basic Books :

1. Postman and Egan : Experimental Psychology - An Introduction. Harper & Row, New York (Indian Edition is available).
2. Woodworth and Schlosberg. Experimental Psychology (Revised) Oxford & IBH Publishing Co., New Delhi.
3. Borton Andrews. Experimental Psychology Wiley Eastern Pvt. Ltd., New Delhi.
4. Morgan and King. Introduction to Psychology (4th ed.) McGraw Hill Book Co. New York (Indian Edition is Available).

Semester – V

Core - 305

COUNSELLING PSYCHOLOGY – I

Objectives :

- (1) To acquaint Students with the basic concepts of counselling Psychology
- (2) To Provide Students a Perspective of Counselling Psychology

UNIT	DETAILED SYLLABUS
Unit – I	સલાહનું સ્વરૂપ : - સલાહ એટલે શું? - સલાહ આપવાના સ્થાનો - સલાહના પ્રકારો - સલાહના ધ્યેયો સલાહની જરૂરત : - સલાહ સમસ્યાનું વર્ગીકરણ - ભારતીય વિદ્યાર્થીઓની સમસ્યા જરૂરત અંગેના પુરાવા - The need for counselling by Anthony Mann - Are they public health issue. - Are sufferers really ill? - What is known about the disorders! - Do these Patient recover any way?
Unit – II	સલાહકારની પસંદગી અને તાલીમ : - સલાહ લેવા માટે સલાહકારોની જરૂરત - સલાહકારોની પસંદગીની

	<p>સમસ્યાઓ- સલાહકારની તાલીમમાં મહત્વના ઘટકો - સલાહકારના વ્યવસાયની આચારસંહિતા</p> <p>સલાહના અભિગમો અથવા સિદ્ધાંતો :</p> <ul style="list-style-type: none"> - સલાહ અને મનોપચાર - સલાહ અભિગમો કે સિદ્ધાંતો - અસીલ કેન્દ્રિત અભિગમ - સલાહ સિદ્ધાંત
Unit – III	<p>સલાહ પ્રક્રિયા :</p> <ul style="list-style-type: none"> - સલાહ પ્રક્રિયાનો અર્થ - સલાહ પ્રક્રિયાના પગથિયાં - સલાહ પ્રક્રિયા પ અસર કરતા પરિબળો - બેઠક વ્યવસ્થા <p>સલાહ સંબંધ :</p> <ul style="list-style-type: none"> - સલાહ સંબંધનો અર્થ - ઉપચારાત્મક અને વિકાસાત્મક સંબંધ (Therapeutic & development relationship).
Unit – IV	<p>સલાહ સંબંધના પરિમાણો :</p> <ul style="list-style-type: none"> - અદ્વિતિમતા - સામાન્યતા, વસ્તુલક્ષીતા - આત્મીયતા, જ્ઞાનાત્મક બોધાત્મક - આવેગાત્મક. - જવાબદારીનો સ્વીકાર - અસ્વીકાર, સંદિગ્ધતા - સ્પષ્ટતા, આધાર અને કટોકટી.

Total Marks: 100

Marks: External Evaluation : 70 Marks (For Regular Students)

Internal Evaluation: 30 Marks (For Regular Students)

Break up of internal evaluation: (For Regular Students)

1. Present -	05 marks
2. Assignment -	05 marks
3. Seminar / Field Visit -	05 marks
4. Internal Exam -	15 marks
Total -	30 marks

Reference Books :

1. Blum, M.L. & Balinky, B. (1961). Counselling and Psychology, Bombay : Asia Publising House.
2. Rao, Narayan S. (1981). Counselling Psychology, New Delhi : Tata-mc Graw Hill Pub-co.
3. Conselling in General Practice, Edited rosiya carney, Routledge 11, New Fetter Lane, London, Ec4p4EE (1993).
4. ડૉ. પટેલ સોમાભાઈ ટી., સલાહ મનોવિજ્ઞાન, યુનિવર્સિટી ગ્રંથ નિર્માણ બોર્ડ, અમદાવાદ (૧૯૮૦).