

**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COIMBATORE – 641 029**

Curriculum and Scheme of Examinations (CBCS)

(2022-2023 onwards)



DEPARTMENT OF PSYCHOLOGY (UG)

DEPARTMENT OF PSYCHOLOGY

Vision:

Assuring Global standard in psychological studies through traditional and holistic way.

Mission:

- Promoting a foundation for the scientific understanding of behavior and mental process.
- Providing an enhanced learning with committed competency to apply to the real world situations.

PROGRAMME OUTCOME(PO)

- PO1** To develop their skills through practical and theoretical knowledge of Psychology.
- PO2** To expertise students as psychologists to earn more and to contribute to the social development of the state and nation.
- PO3** To analyze the influence of psychology on individuals, organizations, and society, including ethical, legal, and social issues
- PO4** To enhance their skill to pursue higher education in various fields of psychology
- PO5** An ability to identify the problem, formulate case and its associated intervention in the area of clinical, counseling, educational and industrial settings.
- PO6** Ability to gain knowledge in the area of developmental psychology to understand the developmental problems
- PO7** Ability to conduct psychological experiment to understand the psychological components.
- PO8** Exhibit the ability to appreciate the values of others' culture, value, and background, follow the ethics, and work constructively with the team as a professional.

PROGRAMME SPECIFIC OUTCOME (PSO)

PSO1 Students will be able to understand the theories, major concepts and underpinning mechanisms, which explain human thought and behaviour pertain to specific and larger context.

PSO2 Students will be able to locate, evaluate, and apply psychological information that strengthen the individual, group, community and build public policies

PSO3 Students would gain competencies and professional skills for working and conducting research the field of clinical psychology, counselling and health psychology.

PSO4 Assess and critically evaluate central ideas and assumptions comprehensively facilitating a research and analysis of data.

PSO5 Students will be able to understand the nature of organizational psychology, it's contemporary trends, work related attributes and work motivation, different leadership styles in organization, concept of organizational stress and it's causes and management.

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COIMBATORE – 641 029

Course Name : B.Sc. Psychology
Curriculum and Scheme of Examination under CBCS
(Applicable to the students admitted during the Academic Year 2022-2023)

Semester	Part	Subject Code	Title of the Paper	Instruction hours/cycle	Exam. Marks			Duration of Exam (hours)	Credits
					CIA	ESE	TOTAL		
I	I	22TML101	Language I@	6	50	50	100	3	3
	II	22ENG101	English – I	6	50	50	100	3	3
	III	22UPS101	Core Paper 1 – General Psychology - I	5	50	50	100	3	4
	III	22UPS102	Core Paper 2 - Developmental Psychology-I	5	50	50	100	3	4
	III	22UPS1A1	Allied Paper 1 – Bio Psychology – I	6	50	50	100	3	5
	IV	22EVS101	Environmental Studies **	2	-	50	50	3	2
	Total			30	-	-		-	21
II	I	22 TML202	Language II@	6	50	50	100	3	3
	II	22 ENG202	English –II	6	50	50	100	3	3
	III	22UPS203	Core Paper 3 -General Psychology – II	5	50	50	100	3	4
	III	22 UPS204	Core Paper 4 - Developmental Psychology-II	5	50	50	100	3	4
	III	22UPS2A2	Allied Paper 2 - Bio Psychology – II	6	50	50	100	3	5
	IV	22VED201	Value Education- Moral and Ethics**	2	-	50	50	3	2
	Total			30	-	-		-	21
III	I	22TML303	Language III@	6	50	50	100	3	3
	II	22ENG303	English –III	6	50	50	100	3	3
	III	22UPS305	Core Paper 5-Abnormal Psychology- I	5	50	50	100	3	5
	III	22UPS3CL	Core Practical 1 - Experimental Psychology – I	4	50	50	100	3	2
	III	22UPS3A3	Allied Paper 3 – Psychological Statistics	5	50	50	100	3	5
	IV	22UGC3S1	Skill Based subject 1- Cyber Security	2	100	-	100	3	3
	IV	22TBT301/ 22TAT301/ 22UHR3N1	Basic Tamil* / Advanced Tamil**/ Non-major elective- I**	2	-	75	75	3	2
	Total			30	-	-		-	23
IV	I	22TML404	Language IV@	6	50	50	100	3	3
	II	22ENG404	English – IV	6	50	50	100	3	3
	III	22UPS406	Core Paper 6-Abnormal Psychology-II	4	50	50	100	3	5
	III	22UPS4CM	Core Practical 2 - Experimental Psychology – II	4	50	50	100	3	2
	III	22UPS4A4	Allied Paper 4 – Research Methodology	5	50	50	100	3	5
	IV	22UPS4S2	Skill Based subject 2 - Psychological Applications in Industry	2	25	25	50 @@	3	1
	IV	22U PS 4NM ###	Office Fundamentals :Digital Skills for Employability http://kb.naanmudhalvan.in/Special:Filepath/Microsoft_Course_Details.xlsx	1	25	25	50 ##		2
	IV	22TBT402/ 22TAT402/ 22UWR4N2	Basic Tamil* / Advanced Tamil**/ Non-major elective- II**	2	-	75	75	3	2
	Total			30	-	-		-	23

UPS 2

V	III	22UPS507	Core Paper 7 - Social Psychology – I	5	50	50	100	3	5
	III	22UPS508	Core Paper 8-Industrial Psychology – I	5	50	50	100	3	4
	III	22UPS509	Core Paper 9 – Health Psychology	4	50	50	100	3	4
	III	22UPS5CN	Core Practical 3 - Experimental Psychology – III	4	50	50	100	3	2
	III	22UPS510	Core Paper 10 - Forensic Psychology	5	50	50	100	3	4
	III	22UPS5E1	Major Elective 1	5	50	50	100	3	5
	IV	----	EDC	2	100	-	100	3	3
	-	22UPS5IT	Internship Training ****	Grade					
	Total			30	-	-		-	27
VI	III	22UPS611	Core Paper 11 - Social Psychology – II	6	50	50	100	3	5
	III	22UPS612	Core Paper 12-Industrial Psychology-II	6	50	50	100	3	4
	III	22UPS6CO	Core Practical 4 - Experimental Psychology – IV	5	50	50	100	3	2
	III	22UPS6E2	Major Elective 2	5	50	50	100	3	5
	III	22UPS6Z1	Project & Viva voce***	4	50	50	100	-	5
	IV	22UPS6S3	Skill Based Subject 3 – Counselling Psychology	2	25	25	50 @@	3	1
	IV	22UPS6NM ###	Project Based Learning: Advanced Platform Technology / Data Analytics & Visualization http://kb.naanmudhalvan.in/images/d/d1/Digital_Marketing.pdf	2	25	25	50 ##		2
	Total			30	-	-		-	24
	V	22NCC \$ / NSS/YRC/PYE/ ECC/ RRC/ WEC101#	Co curricular Activities*	-	50	-	50	-	1
Grand Total				-	-	-	3800	-	140

Note : CBCS – Choice Based Credit system
ESE – End of Semester Examinations

CIA – Continuous Internal Assessment

@@ End semester examination will be conducted for 50 marks and the marks will be converted to 25 marks.

Naan Mudhalvan Course: End of semester will be assessed by Industry for 25 marks and CIA will be done by the course teacher.

The course can be opted to suit the skill set requirement of the core domain from the courses provided by the Bharathiar University and the same may be intimated to the COE during the beginning of that particular semester.

\$ For those students who opt NCC under Cocurricular activities will be studying the prescribed syllabi of the UGC which will include Theory, Practical & Camp components. Such students who qualify the prescribed requirements will earn an additional 24 credits.

@ Hindi/Malayalam/ French/ Sanskrit – 22HIN/MLM/FRN/SAN101 - 404

* - No End-of-Semester Examinations. Only Continuous Internal Assessment (CIA)

** - No Continuous Internal Assessment (CIA). Only End-of-Semester Examinations (ESE)

*** Project Report – 35 marks; Viva voce – 15 marks; Internal-50 marks

**** The students shall undergo an Internship training / field work for a minimum period of 2 weeks at the end of the fourth semester during summer vacation and submit the report in the fifth semester. The report will be evaluated for 100 marks along with the internal viva voce by the respective Faculty. According to their marks, the grades will be awarded as given below.

Marks %	Grade
85 – 100	O
70 – 84	D
60 – 69	A
50 – 59	B
40 – 49	C

UPS 3

< 40	U (Reappear)
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Major Elective Papers**(2 papers are to be chosen from the following 6 papers)**

1. Consumer Behaviour
2. Sports Psychology
3. Forensic Psychology
4. Environmental Psychology
5. Psychology and Gender Issues
6. Behaviour Modification

Non-Major Elective Papers

1. Human Rights
2. Women's Rights
3. Consumer Affairs

Sub. Code & Title of the Extra Departmental Course (EDC) :

22UPS5X1 – Personality Assessment

List of Cocurricular Activities:

1. National Cadet Corps (NCC)
2. National Service Scheme (NSS)
3. Youth Red Cross (YRC)
4. Physical Education (PYE)
5. Eco Club (ECC)
6. Red Ribbon Club (RRC)
7. Women Empowerment Cell (WEC)

Note: In core/ allied subjects, no. of papers both theory and practical are included wherever applicable. However, the total credits and marks for core/allied subjects remain the same as stated below.

Tally Table:

S.No.	Part	Subject	Marks	Credits
	I	Language – Tamil/Hindi/Malayalam/ French/ Sanskrit	400	12
	II	English	400	12
	III	Core – Theory/Practical	1600	60
	III	Allied	400	20
		Electives/Project	300	15
	IV	Basic Tamil / Advanced Tamil (OR) Non-major electives	150	4
		Skill Based subject	300	9
		EDC	100	3
		Environmental Studies	50	2
		Value Education	50	2
	V	Extension Activities	50	1
		Total	3800	140

- 50% CIA is applicable to all subjects except JOC, COP and SWAYAM courses which are considered as extra credit courses.
- The students to complete any **MOOC On learning platforms like SWAYAM, NPTEL, Course era, IIT Bombay Spoken Tutorial etc.**, before the completion of the 5th semester and the course completion certificate should be submitted through the HOD to the Controller of Examinations. Extra credits will be given to the candidates who have successfully completed.
- A **Field Trip** preferably relevant to the course should be undertaken every year.

Components of Continuous Internal Assessment

Components		Marks	Total
Theory			
CIA I	75	(75+75) converted to 30	50
CIA II	75		
Problem based Assignment**		10	
Attendance		5	
Others*		5	
Theory			
CIA I	75	(50+50) Converted to 15	25
CIA II	75		
Assignment/Seminar		5	
Attendance		5	
Practical			
CIA Practical		(50) converted to 30	50
Observation Notebook		15	
Attendance		5	
Project			
Review		45	50
Regularity		5	

* Class Participation, Case Studies Presentation, Field Work, Field Survey, Group Discussion, Term Paper, Workshop/Conference Participation. Presentation of Papers in Conferences, Quiz, Report/Content writing. Etc.

** Two Assignments to be given. (Each 5 marks).

BLOOM'S TAXONOMY BASED ASSESSMENT PATTERN
(K1-Remembering;K2-Understanding;K3-Appling;K4-Analyzing;K5-Evaluating)

Theory Examination – Part I, II & III

i) CIA I & II and ESE: 75 Marks

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	75**
K1 – K5 Q11 to 15	B (either or type)	5 x 5 = 25	Short Answers	
K2 – K5 Q16 to 20	C (either or type)	5 x 8 = 40	Descriptive / Detailed	

****For ESE 75 marks converted to 50 marks.**

CIA I & II and ESE: 50 Marks

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	50**
K1 – K5 Q11 to 15	B (Either or pattern)	5 x 3 = 15	Short Answers	
K2 – K5 Q16 to 20	C (Either or pattern)	5 x 5 = 25	Descriptive / Detailed	

****For ESE 50 marks converted to 25 marks.**

ESE Practical Examination:

Knowledge Level	Section	Marks	Total
K3	Experiments Record	45	50
K4		05	
K5			

ESE Project Viva Voce:

Knowledge Level	Section	Marks	Total
K3	Project Report	35	50
K4		15	
K5	Viva voce		

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper		Core Paper 1 – General Psychology – I		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	I	5	75	4

Course Objectives

1. To understand the definition and history of Psychology
2. To know the meaning and perspective of psychology
3. To comprehend the basics of Sensation & Perception

Course Outcomes (CO)

At the end of the course, the students will be able to

K1 to K5	CO1	Understand the concept and scope of psychology
	CO2	To gain the knowledge about sensation and perception in psychology.
	CO3	To understand different models of human behavior based on Psychology
	CO4	To gain the knowledge about the nature of consciousness
	CO5	Apply learning principles to everyday life

UNIT I**(14 Hours)****Introducing psychology**

What is psychology: A working definition Origin of psychology Philosophical origins: Early Indian and Greek thoughts, Major ideas of Descartes, Locke. Biological origins: Darwin, Genetics, Development of psychology in India

Branches of psychology- Scope of psychology- Brief history of modern scientific psychology: Structuralism, Functionalism, Behaviorism, Gestalt psychology, Piaget, Psychoanalysis, Cognitive approach -Psychology and other disciplines.

UNIT II**(15 Hours)****Experimentation and critical thinking in Psychology**

Psychology as a science - Goals of scientific enterprise- Steps in scientific investigation. Methods of psychology. : Naturalistic observation, case study, survey, correlational studies, experimental method. Factors and characteristics of experimental method: variables – dependent, independent, extraneous variables – Experimental control –placebo effect, experimental effect, double blind procedure, lab and field experiment. Steps in conducting psychological research. Developing critical thinking abilities.

UNIT III**(16 Hours)****Sensation and Perception**

Sense modalities, Psychophysics- Absolute threshold, Differential threshold, Just Noticeable Difference (jnd) Attention– factors affecting attention – subjective and objective factors Selective attention, Phenomena associated with attention – *span of attention, division of attention, distraction of attention.

Perception, Subliminal perception. Perceptual set, Perceptual defense. Perceptual organization. Gestalt principles Perception of depth, space and distance: monocular and binocular cues. Perceptual styles Perceptual constancies Color perception – color theories- Illusions of different types. Habituation, Extra sensory perception – critical view. Enhancing perceptual accuracy.

UNIT IV**(16 Hours)****Mind, Consciousness and altered states**

Awareness and consciousness, States of mind: Nature of consciousness, Functions of consciousness, Changes in consciousness: dream and sleep, Circadian Rhythm, Sleep cycle, Stages of sleep.

Altered states: Lucid dreaming, Hypnosis- facts and myths, *meditation, Hallucinations, Religious ecstasy, drug induced states.

UNIT V**(14 Hours)****Learning**

Definition. Classical conditioning: Elements, principles, generalization, discrimination, second order conditioning. Illustrations (child, developmental, school). Applications. Trial and error learning. Operant conditioning: Reinforcement, punishment, shaping, chaining, stimulus control, schedules of reinforcement, partial reinforcement effect. Applications: Contingencies in schools, Premack principle.

*Behavior modification.

Types of learning- Verbal learning. Social and cognitive learning: *Observational learning. Process and principles. Latent learning, cognitive map, Insight learning. Improving learning- Economy in learning.

* denotes Self study

Teaching Methods

Smart classroom / Powerpoint presentation / Seminar / Quiz / Discussion

Text Books

1. Baron, R.A. (2004), **“Psychology”**, 5th ed. New Delhi: Pearson Education.
2. Morgan, C.T., King, R.A., Weisz, J.R., & Schopler, J. (1993), **“Introduction to Psychology”**, 7th ed. New Delhi: Tata McGraw Hill.

Reference Books

1. Lee. J A (2010), **” The Scientific Endeavour”**. New Delhi. Pearson
2. Mishra, B. K. (2008), **” Psychology: The study of human behaviour”**, New delhi: Prentice Hall of India.
3. Weiten, W. (2002), **”Psychology: Themes and variations”**, 5th ed. New York: Brooks/Cole Publishing Co.
4. Richard J. Gerrig & Philip G. Zimbardo (2002), **” Psychology and life “**, 16th edition, USA: Allyn & Bacon publishers.

MAPPING

CO \ PSO	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	H	M	H	M
CO2	S	H	M	S	H
CO3	H	S	M	M	H
CO4	S	H	S	H	S
CO5	S	M	M	M	S
S – Strong		H – High		M – Medium	
				L – Low	

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper		Core Paper 2 – Developmental Psychology-I		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	I	5	75	4

Course Objectives

1. To gain the knowledge about the life span development and historical perspective
2. To understand the physical development in Puberty
3. To know the stages of cognitive development
4. To learn the emotions of infancy, childhood and adulthood period

Course Outcomes (CO)

K1 to K5	CO1	Students are able to understand the importance of Life span development
	CO2	Understanding the physical development of childhood
	CO3	To know the cognitive development of infancy to adulthood
	CO4	To analyse the Piagets and Kohlbergs Theory
	CO5	Summarize and point out factors that drive human behavior

UNIT I

(15 Hours)

Introduction to Life Span Development

Introduction. Importance of life span development, Historical perspective. Characteristics of life span perspective. Nature of development. Cross sectional and longitudinal approaches in developmental study. Theories by Freud - Erickson- Piaget- Vygotsky. Information processing Behavioral -Social cognitive- eclectic orientation.

UNIT II

(14 Hours)

Prenatal Development

Fertilization - Germinal period- embryonic period- Fetal period. Prenatal diagnostic tests. Effects of teratogens. Neonatal health and responsiveness. Consequences of low birth weight.

UNIT III

(16 Hours)

Physical Development

Newborn- reflexes- perception (vision, hearing, other senses, inter modal perception) Height and weight in infancy and childhood. Gross and fine motor skills. Handedness Physical development in puberty. Changes in early, middle and late adulthood. Theories of aging.

UNIT IV

(16 Hours)

Cognitive Development

Stages of cognitive development- sensory motor stage- object permanence- preoperational stage- intuitive thought- concrete operations- semantics- pragmatics.

*Language development - How language develops- babbling- two word utterance- advances in early, middle and late childhood- metalinguistic awareness.

Unit V: Emotional Development**(14 Hours)**

Introduction- Development of emotion through infancy, childhood, adolescence and adulthood.

Describing and classifying temperament- Chess and Thomas, Kagan, Rothbart and Bates.

Theories of attachment- * care giving and attachment Moral development- Piaget's and Kohlberg's theory- stages- Social conventional reasoning- basic processes- Resistance to temptation- self-control- Empathy- Moral characters.

* denotes Self study

Teaching Methods

Smart classroom / PowerPoint presentation / Seminar / Quiz / Discussion

Text Books:

1. Hurlock, E.B (1996) **"Developmental Psychology-A Life span Approach"**
New Delhi : TataMcGraw Hill Publishing Company

Reference Books

1. Berk, L.E (2003) , **"Child Development"**, (3rd ed). New Delhi: Pearson Education Pvt Ltd
2. Hurlock, E.B (1978) , **"Child Development"**, (6th ed.) London: McGraw Hill Book Company
3. Papalia, D.E et.al (2004), **"Human Development"**, (9th Ed). New Delhi: Tata McGrawHill Publishing Company
4. Santrock, J.E (2007), **"Child Development"**, (2nd end) New Delhi: Tata McGrawHill Publishing Company

MAPPING

CO \ PSO	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	M	M	H	H
CO2	M	H	S	H	M
CO3	H	M	M	S	S
CO4	M	M	S	S	S
CO5	H	H	M	M	L
S – Strong	H – High		M – Medium		L – Low

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper		Allied Paper 1 - Bio Psychology - I		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	I	6	90	5

Course Objectives

1. To understand the relationship between the body, mind and the brain.
2. To explain the biological foundations of behavior, including theories, history, and research methods.
3. Understand the evolution and development of the nervous system.
4. To learn the structures and functions that underlie sensation, perception, and motor control.

Course Outcomes (CO)

K1 to K5	CO1	To remember process of signaling between nerve cells including chemical Neurotransmitters
	CO2	Understand anatomy and functions of the basic cell of the nervous system
	CO3	To analysis the role of neurotransmitters in human functioning
	CO4	Able to evaluate basic brain structures and functional neural systems
	CO5	Describe the biological underpinnings of cognition and socioemotional functioning

UNIT I

(18 Hours)

Introduction to Biopsychology

Understanding human consciousness: A Physiological approach. Nature of Physiological approach: Goals of Research, Biological roots of Physiological Psychology. Natural selection and evolution: Functionalism and Inheritance of Traits, Evolution of human species, evolution of large brains. Ethical issues in research with animals. Careers in neuroscience.

UNIT II

(18 Hours)

Nervous System

Cells of the Nervous System: Neurons, supporting cells. Neural Communication: Measuring electrical potentials of axons, Membrane potential, The action potential and its conduction. Communication between neurons- Non-synaptic communication.

UNIT III

(18 Hours)

The Structure of the Nervous System

Basic feature of the Nervous System. The central nervous system: its development, The forebrain, The midbrain, The hindbrain, The spinal cord. The Peripheral Nervous System: Spinal nerves, cranial nerves, the autonomic nervous system.

UNIT IV

(18 Hours)

Methods and Strategies of Research in Biopsychology

Experimental ablation: Evaluating the behavioural effects of brain damage, producing brain lesions. Stereotaxic surgery, Histological methods, Tracing neural connections, Study of the living human brain. Recording and stimulating neural activity: neural activity, metabolic and synaptic activity, measuring brain's secretions, Stimulating neural activity, behavioural effects of electrical brain stimulation. Neurochemical methods-Genetic methods

UNIT V**(18 Hours)****Psychobiology of Sensory Systems**

Psychobiology of Sensory Systems: Anatomy of the visual system: The eyes, Photoreceptors. Connections between eye and brain. Audition: The stimulus, Anatomy of the ear, Auditory hair cells and the transduction of auditory information. Somatosenses-Gustation Olfaction

* **denotes Self study**

Teaching Methods

Smart Classroom / Powerpoint Presentation / Seminar / Quiz / Discussion

Text Book

1. Carlson.R.N. (2017). Foundations of Physiological Psychology (6th Ed.). New Delhi, Pearson Education, Inc
2. Pineal, J. P. J. (2006), "Biopsychology" (6th Ed.), India, Dorling Kindersley.
3. Kalat, J. W. (2004). Biological basis of human behavior (8th Ed.). New York: Brooks/Cole

Reference Books

- 1 Kalat, J. W. (2004). Biological basis of human behavior (8th Ed.). New York: Brooks/Cole
2. Schneider, A.M. & Tarshis, B. (1986). An Introduction to Physiological Psychology. (3rd Ed.). New York: Random House, Inc

MAPPING

CO \ PSO	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	H	M	H	H	H
CO2	S	H	S	H	H
CO3	H	M	H	S	S
CO4	M	M	S	S	H
CO5	M	H	M	M	M
S – Strong H – High M – Medium L – Low					

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper		Core Paper 3- General Psychology II		
Batch 2022-2025	Semester II	Hours / Week 5	Total Hours 75	Credits 4

Course Objectives

1. To learn the concept of Long term memory and short term memory
2. To develop the ability of thinking and Language
3. To understand the theory of Emotions

Course Outcomes (CO)

K1 to K5	CO1	Understanding the concept of Emotions
	CO2	Memory, its stages and functions and strategies to improve memory
	CO3	To learn the concept of emotional intelligence
	CO4	Critically analyze approaches to the study of personality and its measurement
	CO5	Understand and apply the process of encoding ,storing and retrieval of information

UNIT I**(15 Hours)****Memory**

Encoding, storage and retrieval processes. Sensory, short term and long term memories. Organizing information-Chunking, Hierarchies. Information processing model of memory, Working memory. Levels of processing. Implicit and explicit memory Semantic, episodic and procedural memory. State dependent memory. Memory construction. Other phenomena related to memory: Eyewitness testimony, implicit memory, false memory, childhood amnesia, flashbulb memory.

*Measuring memory: recall, recognition, relearning, and integration.

Forgetting: Curve of forgetting. Reasons of forgetting: fading, interference, distortion, repression, amnesia, motivated forgetting, Strategies for improving memory: rehearsal, elaboration, organization, giving meaning, mnemonics, Goodsleep.

UNIT II**(14 Hours)****Thinking and language**

Components of thought: Images and Concepts. Structure of language: Phonemes, Morphemes, Grammar. Language and thought. Reasoning: deductive and inductive. *Problem solving- Steps. Barriers to effective problem solving: Mental set, Confirmation bias, Fixation. Strategies of problem solving: algorithms, heuristics, means to end analysis, backward search. Culture, cognitive style and problem solving.

Creativity. Convergent and divergent thinking, Stages in creativity. Decision making: Using and misusing heuristics, Belief perseverance phenomenon, *Overconfidence.

UNIT III**(16 Hours)****Motivation And Emotion**

Definition of motivation, Motivational concepts: Need, Instinct, drive, incentives, Drive reduction theory. Primary and secondary motives: Motivation of hunger and eating, sexual motivation, Need to belong, Levels of arousal, Yerke's-Dodson law. Learned motives: affiliation, achievement and power motive, Hierarchy of motives.

Definition of Emotion Elements of emotional experience. Physiological correlates of emotion. Theories of emotion (briefly): James-Lange theory, Cannon-Bard theory, Schachter-Singer theory, Appraisal theory, Evolutionary theory, Opponent process theory, Facial feedback hypothesis Cognition and emotion.

UNIT IV**(16 Hours)****Intelligence**

Definition of Intelligence. Intelligence as a process: Piaget. Structure of intelligence: Approaches of Spearman, Thurstone and Cattell. Triarchic approach. Multiple intelligences, PASS model. Relationship of intelligence with Creativity

Concept of IQ. Evolution of intelligence testing: Stanford-Binet, Wechsler scales. Extremes of intelligence: Mental retardation and giftedness. Determiners of intelligence: * heredity and environment. Emotional intelligence.

UNIT V**(14 Hours)****Personality**

Self-concept of personality. Determinants of personality. Early approaches: Brief descriptions of ancient Indian typology (Gunas), Greek typology on humours, phrenology, somatotypes. Limitations. Psychodynamic approaches. Freud's theory: Levels of consciousness, Structure of personality, Defense mechanisms with descriptions and examples, early experience, Psychosexual stages of development, Neo Freudian Approaches- Jung, Adler, Horney. (In Brief) Trait theories- Allport, Cattell, Eysenck, Humanistic perspective, The social-cognitive perspective.

* denotes Self study

Teaching Methods

Smart Classroom / Powerpoint Presentation / Seminar / Quiz / Discussion

Text Books:

1. Baron, R.A. (2004). *Psychology*, 5th ed. New Delhi: Pearson Education.
2. Myers, D.G. (2010). *Psychology* 9th edition. New York, Worth publishers

References Books

1. Bootzin, R., & Bower, G.H. (1991). *Psychology today-An Introduction*, 7th ed. New York: McGraw Hill Inc.
2. Coon, D. (1983). *Introduction to psychology: Exploration and application*. New York: West Publishing Co. Mishra, B. K. (2008). *Psychology: The study of human behaviour*. New Delhi: Prentice Hall of India.
3. Morgan, C.T., King, R.A., Weisz, J.R., & Schopler, J. (1993). *Introduction to psychology*, 7th ed. New Delhi: Tata McGraw Hill.
4. Weiten, W. (2002). *Psychology: Themes and variations*, 5th ed. New York: Brooks/Cole Publishing Co.

MAPPING

<div> <div>PSO</div> <div>CO</div> </div>	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	H	M	H	H	H
CO2	M	H	S	S	H
CO3	H	M	M	M	S
CO4	M	S	S	S	S
CO5	H	H	M	M	M

S – Strong

H – High

M – Medium

L – Low

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper		Core Paper 4 - Developmental Psychology II		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	II	5	75	4

Course Objectives

1. To understand the characteristics of early and late childhood.
2. To know the physical change in adolescence
3. To learn about the characteristics of middle age and hazards of old age

Course Outcomes (CO)

K2 to K5	CO1	Understanding the characteristics of early and late childhood
	CO2	Understanding the development task of adolescence
	CO3	To know about the family adjustment and marital adjustment in adulthood
	CO4	List and describe critical biological changes during adolescence
	CO5	To learn adjustment to retirement and coping with family life

UNIT I

(15 Hours)

Childhood:

Introduction- Characteristics of Early & Late Childhood- Speech Improvement in Childhood, Emotional Expression in Childhood, Social Behavior in Childhood, * Moral development in Childhood, Hazards of Childhood

UNIT II

(16 Hours)

Adolescence:

Introduction- Characteristics of Adolescence, Development Tasks of Adolescence, Physical change in Adolescence, Social and Morality Change in Adolescence, Sex- Role typing in Adolescence, Family Relationships in Adolescence, ,Physical & Psychological Hazards of Adolescence

UNIT III

(14 Hours)

Adulthood:

Introduction- Characteristics of Early & Late Adulthood- Developmental Tasks of Early & Late Adulthood, Personal & Social Hazards of Early Adulthood, Vocational & Family Adjustment in Early Adulthood, Marital Adjustment in Adulthood, *Hazards of Adulthood

UNIT IV

(16 Hours)

Middle Age:

Introduction- Characteristics of Middle Age- Developmental Tasks of Middle Age, Adjustment to Mental Changes, Adjustment to Social Changes, Vocational Adjustment in Middle Age, Family Adjustment, Hazards of Middle Age

UNIT V**(14 Hours)****Old Age:**

Introduction- Characteristics of Old Age- Problems Unique to Old Age, Physical Adjustment, Adjustment to Motor Ability, Mental Adjustment, Vocational Adjustment, ,Adjustment to Retirement, Coping with Family Life, * Hazards of Old Age

* denotes Self study

Teaching Methods

Smart Classroom / Powerpoint Presentation / Seminar / Quiz / Discussion

Text Books:

1. Hurlock, E.B (1981) Developmental Psychology-A Life span Approach.(5th ed.) New Delhi: Tata McGraw Hill Publishing Company.
2. Berk, L.E (2003) Child Development (3rd ed). New Delhi: Pearson Education PvtLtd

ReferenceBooks

1. Hurlock, E.B (1978) Child Development (6th ed.) London: McGraw Hill BookCompany
2. Papalia, D.E et.al (2004) Human Development (9th Ed). New Delhi: Tata McGrawHill PublishingCompany
3. Santrock, J.E (2007) Child Development (2nd end) New Delhi: Tata McGrawHill PublishingCompany

MAPPING

CO \ PSO	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	M	S	H	M
CO2	M	H	M	S	H
CO3	H	S	M	S	S
CO4	M	M	S	M	M
CO5	H	H	M	M	S

S – Strong H – High M – Medium L – Low

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper:		Allied Paper 2 - Bio Psychology - II		
Batch 2022-2025	Semester II	Hours / Week 6	Total Hours 90	Credits 5

Course Objectives

1. To understand the importance of physiology of emotion
2. To explain the physiology basis of learning
3. To understand the physiology basis of memory
4. To explain the influence of stress, drug – intake on the brain functioning

Course Outcomes (CO)

K1 to K5	CO1	Recall the influence of brain over various physiological human motives
	CO2	Identify the importance of brain damage and various disorders related to human brain
	CO3	Examine the role of limbic system in managing human emotions
	CO4	Illustrate the role of left cerebral hemisphere in decision making
	CO5	Analyze the impact of neural degeneration in an individual

UNIT I**(18 Hours)****Physiology of Emotions**

Physiology of Emotions – Emotion as response patterns: Fear, Anger and Aggression Hormonal control of aggressive behavior. Communication of emotions: Facial expression emotions. Neural basis of the communication of emotions. Feelings of Emotions.

UNIT II**(18 Hours)****Physiological basis of Learning**

Physiological basis of Learning: The nature of learning. Learning and synaptic plasticity: Induction of long-term potentiation, Role of NMDA receptors. Mechanisms of synaptic plasticity, Long term depression. Perceptual learning.

Physiology of Classical conditioning - Physiology of instrumental conditioning

UNIT III**(18 Hours)****Physiological basis of Memory**

Physiological basis of Memory: Relational learning. Human anterograde amnesia: Basic description- Spared learning abilities – Declarative and nondeclarative memories. Anatomy of anterograde amnesia. Failure of relational learning – Role of hippocampal formation in spatial memory. Relational learning in laboratory animals.

UNIT IV**(18 Hours)****Physiology of Reproductive Behaviour**

Physiology of Reproductive Behaviour: Hormonal control of sexual behavior: female reproductive cycles. Hormonal control of sexual behavior of laboratory animals. Androgens and behavior: Masculinization and defeminization.

Effects of pheromones-Human sexual behavior-Sexual orientation. Neural control of sexual behavior- Parental behaviour

UNIT V**(18 Hours)****Neurological Disorders**

Neurological Disorders: Tumors –Seizure disorders – Cerebrovascular accidents. Disorders of development.

Degenerative disorders: Transmissible spongiform encephalopathies, Parkinson's disease Huntington's disease, Alzheimer's disease, Multiple sclerosis. Disorders caused by infectious diseases.

* denotes Self study

Teaching Methods

Smart Classroom / Powerpoint Presentation / Seminar / Quiz / Discussion

Text Book

1. Carlson, R.N. (2017). Foundations of Physiological Psychology (6th Ed.). New Delhi, Pearson Education, Inc
2. Pineal, J. P. J. (2006), "Biopsychology" (6th Ed.), India, Dorling Kindersley.

Reference Books

- 1 Kalat, J. W. (2004). Biological basis of human behavior (8th Ed.). New York: Brooks/Cole
2. Schneider, A.M. & Tarshis, B. (1986). An Introduction to Physiological Psychology. (3rd Ed.). New York: Random House, Inc
3. Baron, R.A. (2004). Psychology, 5th ed. New Delhi: Pearson Education
4. Gerrig, R. J & Zimbardo, P. G. (2002). Psychology and life (16th Ed). USA: Allyn & Bacon publishers

MAPPING

<div> <div> <div>PSO</div> <div>CO</div> </div> <div></div> </div>	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	M	S	H	H
CO2	M	H	H	S	M
CO3	H	S	S	M	S
CO4	M	M	H	S	M
CO5	H	H	M	M	S
<div> <div>S – Strong</div> <div>H – High</div> <div>M – Medium</div> <div>L – Low</div> </div>					

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper		Core Paper 5 – Abnormal Psychology - I		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	III	5	75	5

Course Objectives

1. To learn the historical antecedents to modern understandings of abnormal behavior.
2. Describe the major classes and characteristics of psychological disorders
3. Know the primary treatments for psychological disorders

Course Outcomes (CO)

K1 to K5	CO1	To understand the historical background and paradigms of abnormal behavior
	CO2	Understand abnormal behaviour patterns and apply the knowledge to assessment .diagnosis and classification systems
	CO3	Design, conduct, or evaluate treatment process
	CO4	Evaluate psychological research relevant to the study of abnormal behavior
	CO5	Apply the contemporary theories and research related to causes and treatments of psychological disorders

Unit 1: Introduction and Paradigms in Abnormality (14 hours)

Range of Abnormal behavior- triggers, stigma and adaptive and Maladaptive behavior- Historical background- Epidemiology of Maladaptive Behaviour . Theoretical perspectives on Maladaptive Behaviour .

Biological perspective- Psychodynamic- Behavioural- *Cognitive- Humanistic- Existential- Community- Cultural Perspective- Interactional approach

Unit 2: Classification and Assessment (15 hours)

Classification: Advantages and Disadvantages- Vulnerability- Resilience- Coping- Multiaxial Approach- DSM IV TR- Major Diagnostic Categories- Evaluation

Assessment: Basis of Classification – Interview- Intelligence tests- Neuropsychological tests- Personality- Behavioural and Cognitive Assessment- Relational and Bodily assessment

Unit 3: Stress, Coping and Maladaptive Behaviour (16-hours)

Stress and Coping- Coping Skills- Process- Social Support- Stressful Situations and Life transitions

*Clinical Reactions to Stress- Adjustment Disorder- Acute Stress disorder- Dissociative Disorder- Treating Stress related Problems

(16 hours)

(14 hours)

*** denotes Self study**

Smart classroom / Powerpoint presentation / Seminar / Quiz / Discussion

Sarason., I. G. & Sarason B. R. (2012). Abnormal Psychology- The Problem of Maladaptive Behaviour, 11th Edition: New Delhi: Prentice Hall of India.

<div> <div>PSO</div> <div>CO</div> </div>	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
C01	S	M	M	H	H
C02	M	H	S	S	H
C03	H	M	S	H	L
C04	M	S	H	S	S
C05	H	H	M	M	M
S – Strong	H – High	M – Medium	L – Low		

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper		Core Practical 1 - Experimental Psychology - I		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	III	4	60	2

Course Objectives

1. To enable students to understand the experimental approach in scientific investigation.
2. To develop the structured report writing skill of the experiments.
3. To enable students to identify and apply appropriate experimental tests according to the requirements

Course Outcomes (CO)

K1 to K5	CO1	Experiment with testing human capacities such as sensory , perception and Attention
	CO2	Relate the acquired knowledge of psychological processes to the method employed in testing
	CO3	Demonstrate understanding of how psychological processes can be established objectively
	CO4	To become proficient in measuring sensory dimensions of human behaviour
	CO5	Make observation, interpret and use the data obtained from measurement to analyze individual differences in human capacities

Suggestion (10 hours)

Size Weight Illusion box (22 weights)

Progressive Weight Box

Two Hand Coordination with error counter

Suggestible Questions

Association (14 hours)

Free Association Test (Word list method)

Free Association Test (Chain method)

Colour Preference Apparatus

Sensory and Motor Test (10 hours)

Finger Maze Apparatus

Finger Dexterity Board with Pins

Tweezers Dexterity Board with Pins

Minnesota Rate of Manipulation test (MRMT)

Attention

(12 hours)

Division of Attention Board with reset 6 digit impulse counter

Clerical Aptitude Scale

Tachitoscope apparatus with Cards

Cutaneous Sense Spot Test

Perception

(14 hours)

Depth Perception Apparatus

Size Constancy Apparatus

Kinesthetic Figural After Effect

Muller Lyre Apparatus with Stand

References

1. Anastasi and Urbina (2010). Psychological Testing (7th Ed.) New Delhi. PHI Learning Pvt. Ltd.
2. Rajamanickam (2005). Experimental Psychology, Vol 1 & Vol II, New Delhi : Concept Publishing Company
3. Collins, and Drever, J(1968). Experimental Psychology: Ludhiana: Lyall Book Depot
4. Kuppaswamy .B (1954). Elementary Experiments In Psychology, Madras: Oxford Publishing Press
5. Woodworth, R.S. and Schlosberg .H. (1971) Experimental Psychology. New Delhi: Oxford Publishing Co.
6. Freeman F.S. (1976). Theory and Practice of Psychological Testing: New Delhi: Oxford and IBH Publishing Co.

Teaching Methods

Smart classroom / Powerpoint presentation / Seminar / Quiz / Discussion

MAPPING

CO \ PSO	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	H	S	S	S	H
CO2	M	H	S	H	H
CO3	H	M	H	S	S
CO4	M	M	S	S	S
CO5	M	H	S	M	S
S – Strong H – High M – Medium L – Low					

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper		Allied Paper 3 – Psychological Statistics		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	III	5	75	5

Course Objectives

1. To give basic knowledge about statistical concepts.
2. To solve the social problems using various statistical techniques.
3. To provide knowledge and skills to select and conduct appropriate statistical tests for psychological research.

Course Outcomes (CO)

K1 to K5	CO1	Remembering appropriate Statistical techniques for summarizing and displaying social science data.
	CO2	Understanding the concepts of measures of central tendency and formulate percentile by arranging the data from smallest to largest.
	CO3	Applying the statistical tools to solve sociological problems.
	CO4	Analyzing and interpret the variance form ANOVA output.
	CO5	Evaluating the correlation among the variables.

Syllabus**UNIT I****(15 Hours)**

Meaning and Definition of Statistics – *Nature and Scope of Statistics-Uses and Limitations of Statistics -Importance of Statistics in Psychology and Research - Collection of Data - Primary and Secondary Data - Classification and Tabulation of Data - Formation of Frequency Distribution.

UNIT II**(15 Hours)**

Diagrammatic and Graphical Representation of Statistical Data - Simple, Multiple, Subdivided, Percentage Bar Diagrams and Pie Diagram - Histogram, Frequency Polygon, Frequency Curve, Ogives - Measures of Central Tendency – Computations and Properties of Mean, Median ,Mode, Geometric Mean and Harmonic Mean .

UNIT III**(15 Hours)**

Measures of Dispersion – Range, Quartile Deviation, Mean Deviation (about Mean), Standard Deviation and Co-efficient of Variation – Concept of Skewness – Karl Pearson's and Bowley's Coefficient of Skewness – Simple Problems.

UNIT IV**(15 Hours)**

Correlation – Types of Correlation-Scatter Diagram – Karl Pearson's Coefficient of Correlation – Spearman's Rank Correlation. Regression Equations – Properties of Regression Coefficients – Simple Problems.

UNIT V**(15 Hours)**

Concept of Sampling- Test of Mean for Large Samples-t-test: Specified Mean-Difference between two Samples Means. F-Test of Significance for small sample-Meaning, purpose and assumptions of Analysis of variance – One way ANOVA – Chi square test for goodness of fit and independent test for attributes.

*** denotes Self Study**

(Questions for Examination may be taken from the Self Study Portion also).

Teaching Methods

Chalk and Talk, Power point Presentations, Seminar, Assignment, Smart Class Room

Text Book:

1. S.P.Gupta - Statistical Methods, Sultan Chand & Sons, New Delhi, 46 threvised Edition, 2021.
2. R.S.N. Pillai and V. Bagavathi - Statistics – Sultan Chand & Sons Company Ltd, New Delhi, Reprint 2014
3. J.P Verma and Mohammed Ghufra- Statistics for Psychology, Tata McGraw Hill Education (P) Ltd. New Delhi.

Reference Books:

1. Garrett, H.E. (2004). Statistics in Psychology and Education, 6th Edition, New Delhi: Paragon International Publishers.
2. Guilford, J.P., and Fruchter. (1987). Fundamental Statistics in Psychology and Education, 6th Edition, Singapore: McGraw Hill.
3. Mangal, S.K. (2004). Statistics in Psychology and Education, 2th Edition, New Delhi: PrenticeHall.
4. Girija, M., Sasikala, L.,andGirija. (2004). Introduction to Statistics, 1st Edition, New Delhi: Vrinda Publications.
5. Bhandarkar, K.M. (2006). Statistics in Education, 1st Edition, Hyderabad: Neelkamal.

MAPPING

PSO CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	H	M	S	S	H
CO2	M	H	S	M	S
CO3	S	H	M	H	M
CO4	H	S	H	S	H
CO5	S	H	M	S	M

S - Strong;**H-High;****M-Medium;****L-Low**

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper		Core Paper 6 - Abnormal Psychology – II		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	IV	4	60	5

Course Objectives

1. To understand the maladaptive behavior in humans
2. To explain the causes and risk factors of psychiatry disorders
3. To understand the types of personality disorders
4. To explain the treatment and therapeutic approaches

Course Outcomes (CO)

K1 to K5	CO1	Define the experience of anxiety and related disorders in an individual
	CO2	Outline the disorders of sexual variance and cognitive impairment
	CO3	Identify the spectrum disorders of schizophrenia
	CO4	Identify the bipolar tendencies experienced by an individual
	CO5	Examine the various forms of therapies and their effectiveness

Unit 1: Mood Disorders

(12 hours)

Mood disorders- Depression vulnerability factors-Depressive disorders- Causes and treatment of depression Bipolar disorders- Causes and treatment-* Suicide and prevention of suicide

Unit 2: Personality disorders

(12 hours)

Classifying personality disorders- odd or eccentric behavior- dramatic, emotional or erratic behavior- anxious or fearful behavior- treatment of personality disorder

Unit 3: Sexual disorders

(12 hours)

Changing views of sexual behaviour- sexual dysfunction types and treatment- gender identity disorder- paraphilias- sexual victimization.

Unit 4: Schizophrenia and other psychotic disorders

(12 hours)

*Psychotic disorders- Schizophrenia- subtypes- positive and negative symptoms- development of schizophrenia- vulnerability- therapeutic approaches- other psychotic disorders

Unit 5: Cognitive impairment disorders**(12 hours)**

Vulnerability to brain disorders- delirium tremens- dementia- *cognitive impairment disorders Disorders of childhood and adolescence- externalizing and internalizing disorders- pervasive developmental disorders

* denotes Self study

Teaching Methods

Smart classroom / Powerpoint presentation / Seminar / Quiz / Discussion

Reference Book:

Sarason., I. G. & Sarason B. R. (2012). Abnormal Psychology- The Problem of Maladaptive Behaviour, 11th Edition: New Delhi: Prentice Hall of India.

MAPPING

PSO CO	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	M	S	H	H
CO2	H	H	M	S	H
CO3	H	M	S	M	S
CO4	M	M	S	M	L
CO5	H	H	M	M	S
S – Strong	H – High	M – Medium		L – Low	

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper		Core Practical 2 - Experimental Psychology - II		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	IV	4	60	2

Course Objectives

1. To provide students with practical exposure.
2. To assess, apply and interpret various questionnaires.
3. To understand the various types of test related to perception.
4. To explain the motivation analysis test

Course Outcomes (CO)

K1 to K5	CO1	To assess the various emotion pattern of an individual
	CO2	To evaluate the reaction time of an individual
	CO3	To analyze the need pattern of social motive
	CO4	To analyze the learning process of an individual
	CO5	To analyze the learning process of an individual

Feeling and Emotion

Judging Emotions from Photographs

Motivation

Motivation Analysis Test

Need Pattern Scale

Social Motive Scale

Achievement Motivation Scale

Reaction Time

Simple Reaction Time Apparatus

Choice Reaction Time Apparatus

Association Reaction Time Apparatus

Discrimination Time Reaction Time Apparatus

Learning

Maze Learning Apparatus

Winking Reflex Apparatus Air/Puff Apparatus

Retroactive Inhibition (Effect of Interpolated Activities on Previous Learning) Card Sorting

Tray with Cards for Habit Interference

Imagination

Vividness of Imagery

Thinking and Problem Solving Concept Formation (Yerkes's Multiple Choice Apparatus)

Problem Solving Ability Test (**L.N. Dubey**)

Passi-Usha Test of Creative Problem Solving

Test of Thinking Strategies (**Smriti Swarup and D.H. Mehta Swarup Mehta**)

Teaching Methods

Smart classroom / Power point presentation / Seminar / Quiz / Discussion

References

1. Anastasi and Urbina (2010). Psychological Testing (7th Ed.) New Delhi. PHI Learning Pvt. Ltd.
2. Rajamanickam (2005). Experimental Psychology, Vol 1 & Vol II, New Delhi : Concept Publishing Company
3. Collins, and Drever, J(1968).Experimental Psychology: Ludhiana: Lyall Book Depot
4. Kuppuswamy .B (1954). Elementary Experiments In Psychology, Madras: Oxford Publishing Press
5. Woodworth, R.S. and Schlosberg .H. (1971) Experimental Psychology. New Delhi: Oxford Publishing Co.
6. Freeman F.S. (1976). Theory and Practice of Psychological Testing: New Delhi: Oxford and IBH Publishing Co.

MAPPING

CO \ PSO	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	M	H	H	H
CO2	M	H	H	M	H
CO3	H	M	S	S	S
CO4	M	M	S	M	S
CO5	H	L	M	M	H

S – Strong

H – High

M – Medium

L – Low

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper		Allied Paper 4 – Research Methodology		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	IV	5	75	5

Course Objectives

1. To give basic knowledge about research and its methodologies.
2. To identify the concepts and procedures of sampling, data collection, analysis and Reporting.
3. To develop an understanding of various research designs and techniques.

Course Outcomes (CO)

K1 to K5	CO1	Remembering the research problem and technique and defining a problem are developing a research Plan.
	CO2	Understanding the concepts of sampling, error and its degrees of freedom.
	CO3	Identifying various sources of information for data collection.
	CO4	Analyzing to prepare key elements of a research report.
	CO5	Interpreting the results of the data using statistical techniques.

Syllabus**UNIT I****(15 Hours)**

Introduction: Meaning of Research-Objectives Research-Types of Research-Research Approaches-Significance of Research-Research Methods versus Methodology- Research and Scientific Method-Research Process-Criteria of Good Research –Problems Encountered by Research in India.

Defining the Research Problem: What is a Research Problem? - Selecting the Problem -Necessity of Defining the Problem-Technique Involved in Defining a Problem -An illustration-Conclusion.

UNIT II**(15 Hours)**

Research Design: Meaning of Research Design-Need for Research Design - Features of a Good Design- Important Concepts Relating to Research Design - Different Research Designs –Basic Principles of Experimental Designs-Important Experimental Designs-Conclusion.

UNIT III**(15 Hours)**

Data Collection: Introduction-Experiments and Surveys-Collection of Primary Data-Collection of Secondary Data-Selection of Appropriate Methods for Data Collection-Case Study Method.

Data Preparation: Data Preparation Process-Some Problems in Preparation Process-Missing Values and Outliers-Types of Analysis-Statistics in Research.

UNIT IV**(15 Hours)**

Testing of Hypothesis: What is a Hypothesis- Basic Concepts Concerning Testing of Hypothesis-Testing the Hypothesis-Test Statistic and Critical Region-Critical Value and Decision Rule- Procedure for Hypothesis Testing- Hypothesis Testing for Mean- Hypothesis Testing for Proportion- Hypothesis Testing for Variance- Hypothesis Testing for Difference of Two Mean- Hypothesis Testing for Difference of Two Proportions- Hypothesis Testing for Difference of Two Variance.

UNIT V**(15 Hours)**

Interpretation and Report Writing: Meaning of Interpretation-Techniques of Interpretation-Precautions in Interpretation- Significance of Report Writing- Different Steps in Writing Report-Layout of the Research Report-Types of Reports-Oral Presentation-Mechanics of Writing a Research Report-Precautions for Writing Research Reports-Conclusion.

*** Denotes Self Study**

(Questions for Examination may be taken from the Self Study Portion also).

Teaching Methods

Chalk and Talk, Power point Presentations, Seminar, Assignment, Smart Class Room
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Text Book

C.R.Kothari & Gaurav Garg, Research Methodology Methods and Techniques, 4th Multi Colour Edition, New Age International (P) Limited, Publishers, New Delhi, 2019.

Reference Books

1. Panneerselvam.R, Research Methodology, 3rd Edition, Hall of India (Pvt.), New Delhi, 2006.
2. Yogesh Kumar Singh, Fundamental of Research Methodology and Statistics, 1st Edition, New Age International (P) Ltd, New Delhi, 2006.
3. Santosh Gupta, Research Methodology and Statistical Techniques, Deep &Deep PublicationsPvt.Ltd, New Delhi, 2003.
4. Kenneth S.Bordens Bruce B.Abbott, Research and Design Methods A Process Approach, 6th Edition, Tata Mcgraw- Hill Publication, Company Ltd., New York, 2006.
5. P.Saravanavel, Research Methodology, Reprint, KitabMahal, Allahabad, 2008.
6. Pradeep Rohilla, Research Methodology, APH Publishing Corporation, New Delhi, 2017.

MAPPING

POS CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	H	M	S	S	H
CO2	M	H	S	M	S
CO3	S	H	M	H	M
CO4	H	S	H	S	H
CO5	S	H	M	M	H

S - Strong;**H-High;****M-Medium;****L-Low**

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper		Core Paper 7 - Social Psychology – I		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	V	5	75	5

Course Objectives

1. Introduce the students to the discipline of social psychology and highlight the influences of various perspectives on it.
2. Understand the relationship between attitude and behavior and thereby enable them to predict social behavior.
3. Gain knowledge about various sources of prejudice and thereby devise techniques to reduce prejudice.

Course Outcomes (CO)

K1 to K5	CO1	Understanding the roots of Social Psychology
	CO2	Enhancing the non-verbal communication skills
	CO3	Analyze reasons for being with and deviating from the group
	CO4	Understand human behaviour in social setting
	CO5	Able to evaluate of ourselves

Unit – I: An Introduction To Social Psychology (14 hours)

Definition - The Boundaries of Social Psychology - The roots of Social Psychology - The Future of Social Psychology - Research in Social Psychology: Theories and Hypotheses, Experimental Research, Correlation Research

Unit – II: Perceiving And Understanding Others (15 hours)

*Non verbal communication-Attribution: Situational and Dispositional Causes - Theories of Attribution: Jones and Davis's Theory - Kelley's Theory –Impression formation and impression management

Unit – III: Prejudice, Discrimination And Stereotypes (16 hours)

Prejudice- Discrimination and Stereotypes – The causes effects and cures- Nature and origins stereotyping-Prejudice and Discrimination: Feelings and action toward Social groups-Techniques for countering its effects

Unit – IV: The Self And Attitude (16 hours)

Defining the Self: Self presentation-Self knowledge-Thinking about the self-Personal versus social identity- Self-Esteem-Attitudes towards our selves- Social comparison- *Evaluation of ourselves- Attitude formation-Development of attitudes-Attitude influence and guide behavior- Fine art of persuasion- Cognitive Dissonance

Sub.Code: 22UPS507**Unit – V: Interpersonal Attraction: Close Relationships**

(14 hours)

Internal determination and external determinants of attraction – Factors based interacting with others – Interdependent relationships with family and friends – Marriage - Troubled Relationships and the effects of Marital Failure.

*** denotes Self study**

Teaching Methods

Smart classroom / Powerpoint presentation / Seminar / Quiz / Discussion

REFERENCES

- 1.Feldman, Robert S., Social Psychology, (Second Edition). New Jersey, USA: Prentice Hall, 1998.
- 2.Baron, R.A. and Byrne, D., Social Psychology, (8th Edition). New Delhi: Prentice Hall of India, 1997.
- 3.Baron,R.A., Bharadwaj.,G.,Branscombe.N.R. and Byrne,D. Social Psychology, (8th Edition). New Delhi; Pearson Education (2009)

MAPPING

PSO CO	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	M	S	H	H
CO2	H	M	M	S	H
CO3	H	M	S	S	S
CO4	M	H	S	M	H
CO5	L	H	M	M	S

S – Strong**H – High****M – Medium****L – Low**

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper		Core Paper 8 - Industrial Psychology – I		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	V	5	75	4

Course Objectives

1. To understand the nature of organizational behaviour.
2. To identify the processes used in developing communication and resolving conflicts.
3. To explain group dynamics and demonstrate skills required for working in groups.
4. To discuss the implementation of organizational training program.

Course Outcomes (CO)

K1 to K4	CO1	To analyze the psychological principles influence behavior in the workplace.
	CO2	Evaluate individual behavior in the workplace as influenced by personality, values, perceptions, and motivations.
	CO3	Understand the management style as it relates to influencing and managing behavior in work settings.
	CO4	Create modules to enhance group dynamics, communication, leadership.
	CO5	Apply relevant contemporary theories, concepts and models to analyze real life management situations.

Unit-1: Introduction (14 hours)

Definition – Historical development of I-O Psychology – Scope of I-O Psychology –Challenges for I-O Psychology – I-O Psychology as a career Working Conditions - Physical working conditions – Work schedules.

Unit – 2: Job Analysis And Job Evaluation (15 hours)

Job Analysis - Definition, Applications and Scope - *Various Methods of Job Analysis - Job Evaluation: - Various Methods of Job Evaluation.

Unit 3: Employee Selection Principles And Techniques (16 hours)

Employee preferences – The recruitment process – Selection Techniques: Biographical information – Application Blanks – *Biographical Inventories – Interviews – References and Letters of recommendation – Assessment Centers.

Sub.Code: 22UPS508**Unit –4: Training And Development****(14 hours)**

Scope of organizational training programs – *Goals of organizational training programs – The Pretraining Environment - Psychological factors in training – Training Methods – Evaluating organizational training programs – Career development and planning.

Unit – 5: Performance Appraisal**(16 hours)**

The need for Performance Appraisal – Techniques of Performance Appraisals: Objective Performance Appraisal Methods – Judgemental Performance Appraisal Methods – Performance Appraisal for Managers – Bias in Performance Appraisal – Improving Performance Appraisals – The Post appraisal Interview.

*** denotes Self study**

Teaching Methods

Smart classroom / Powerpoint presentation / Seminar / Quiz / Discussion

REFERENCES

1. Schultz, D. and Schultz.E.Sydney. Psychology and Work Today, An Introduction to Industrial and Organizational Psychology, New Delhi: Pearson Education, 2004.
2. Miner John, B., Industrial and Organisational Psychology, New York: McGraw - Hill, 1992.

MAPPING

PSO CO	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	H	M	M	H	H
CO2	M	H	S	S	H
CO3	H	M	M	S	L
CO4	M	H	S	S	S
CO5	H	L	S	M	S

S – Strong**H – High****M – Medium****L – Low**

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper:		Core Paper 9 - Health Psychology		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	V	4	60	4

Course Objectives

1. To enable students to understand the need and perspectives of health psychology.
2. Various models available to conceptualize health.
3. The influence of stress and pain on health and the importance of social support in managing stress and pain
4. The nature pain and its management.

Course Outcomes (CO)

K1 to K5	CO1	To understand the effects of bio, psycho and social factors on a person's health
	CO2	Knowledge about research in health psychology and critically evaluate the key studies
	CO3	Apply health psychology theories and research findings to address health-related issues
	CO4	Analysis the effects of health status and changes in health based on a person's emotions, thinking, and behaviour
	CO5	Create the healthy relationship and to understand health compromising Behaviors

UNIT 1: Foundation of Health Psychology (12 hours)
 Introducing Health Psychology- Conducting Health Research- Seeking and Receiving Health Care- Adhering to healthy Behaviour

UNIT: 2: Stress, Pain and Coping (12 hours)
 Defining, Measuring and Managing Stress- Understanding Stress, Immunity and Disease-: Understanding and Managing Pain- Considering Alternative Approaches

UNIT 3: Behaviour and Chronic Disease (12 hours)
 Behavioural Factors in Cardiovascular disease- Behavioural Factors in Cancer- Living with Chronic illness

UNIT4: Behavioural Health (12 hours)
 Smoking Tobacco- Using Alcohol and other drugs- Eating and Weight- Exercising

UNIT 5: Looking Toward the Future
Future Challenges

(12 hours)

* denotes Self study

Teaching Methods

Smart classroom / Powerpoint presentation / Seminar / Quiz / Discussion

AVAILABLE TEXTBOOKS

1. Brannon, L., & Feist (2007). *Health Psychology*. San Francisco: Wadsworth.
2. Friedman, H.S. (2002). *Health Psychology*, 2nd edition. Upper Saddle River, NJ: Prentice Hall.

REFERENCES

1. Allen, F. *Health Psychology: Theory and Practice*. Allen & Unwin. (1998).
2. Bennett, P., Sprugeon, P., & Weinman, J. (1990). *Current Developments in Health Psychology*. Gordon & Breach Publishing.
3. Bernard, L.C. & Krupat, E. *Health Psychology*. Harcourt Brace College. (1997).
4. Carroll, D. *Health Psychology: Stress, Behavior, and Disease*. Taylor & Francis, Inc. (1992).
5. Crossley, M.L. *Rethinking Health Psychology*. Open University Press.(2000).
6. Kaplan, R., Patterson, T.L., & Sallis, J.F. *Health and Human Behavior*. McGraw Hill Companies, Inc. (1993).

MAPPING

<div> <div>PSO</div> <div>CO</div> </div>	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	M	S	H	M
CO2	M	H	M	S	H
CO3	H	M	S	S	S
CO4	M	L	S	M	S
CO5	S	H	M	M	M

S – Strong

H – High

M – Medium

L – Low

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper:		Core Practical 3 - Experimental Psychology - III		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	V	4	60	2

Course Objectives

1. To enable students to understand the experimental approach in scientific investigation.
2. To develop the structured report writing skill of the experiments.
3. To enable students to identify and apply appropriate experimental tests according to the requirements.
4. To enhance the skills needed for conducting experiments and psychological tests

Course Outcomes (CO)

K1 to K5	CO1	To become proficient in measuring personality tests
	CO2	To become proficient in measuring individual's aspiration
	CO3	To become proficient in measuring memory and learning aspects of human behavior
	CO4	To become proficient in measuring tests related to imagination
	CO5	To become proficient in measuring social dimensions of human behavior

Personality

Eysenck Personality Inventory

Rotter's I-E Locus of Control

Myers-Briggs Type Indicator (MBTI)

Big Five Personality Factor

Memory

Short Term Memory Test (Asthana)

Long Term Memory Test (Asthana)

Span of Immediate Memory (Rakhi Bhargava)

P. G. I. Memory Scale (D. Pershad and N. N. Wig)

Level of Aspiration Measure (Mahesh Bhargava and M.A. Shah)

Target Dart Test (Rajamanickam)

Occupational Aspiration Scale (J. S. Grewal)

Educational Aspiration Inventory (T. Pradeep Kumar)

Adjustment Bells Adjustment Inventory

Marital Adjustment Inventory (H. M. Singh)

Global Adjustment Scale (Sanjay Vohra)

Youth Problem Inventory (M. Verma)

Teaching Methods

Smart classroom / Power point presentation / Seminar / Quiz / Discussion

References

1. Anastasi and Urbina (2010). Psychological Testing (7th Ed.) New Delhi. PHI Learning Pvt. Ltd.
2. Rajamanickam (2005). Experimental Psychology, Vol 1 & Vol II, New Delhi : Concept Publishing Company
3. Collins, and Drever, J(1968). Experimental Psychology: Ludhiana: Lyall Book Depot
4. Kuppuswamy .B (1954). Elementary Experiments In Psychology, Madras: Oxford Publishing Press
5. Woodworth, R.S. and Schlosberg .H. (1971) Experimental Psychology. New Delhi: Oxford Publishing Co.
6. Freeman F.S. (1976). Theory and Practice of Psychological Testing: New Delhi: Oxford and IBH Publishing Co.

MAPPING

CO \ PSO	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	H	M	S	H	H
CO2	M	H	S	S	H
CO3	H	M	M	S	S
CO4	S	M	S	S	M
CO5	H	L	M	M	M
S – Strong	H – High		M – Medium		L – Low

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper		Core Paper 10 - Forensic Psychology		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	V	5	75	4

Course Objectives

1. To understand basics of forensic psychology
2. Apply knowledge of forensic psychology in analyzing cases
3. Appreciate the role of forensic psychologist in crime scene analysis, offender profiling and eyewitness testimony

Course Outcomes (CO)

K1 to K5	CO1	Being able to conceptualize forensic psychology as a distinct discipline within the wider field of psychology as well as an understanding of its historical roots.
	CO2	Apply choice of correct techniques in criminal investigation
	CO3	Understanding the roles of forensic psychologists and psychologists in court
	CO4	demonstrating knowledge of key issues in forensic psychology including eyewitness testimony and false confession.
	CO5	Developing an understanding how various theories and principles of psychology are applied in the court of law and criminal justice system.

Unit- I (14 hours)
Forensic sciences; forensic psychology: *past and present. Psychology & law. Psychologist as an expert witness

Unit- II (15 hours)
*Understanding Criminal Behavior. Psychology of crime. Determinants of criminal behavior biological, psychological, neuropsychological and social.

Unit- III (16 hours)
Forensic Psychology in Crime Investigation. Psychological examination of crime scene. Offender profiling; examination of high-risk offenders- Forensic interviewing

Unit- IV (16 hours)
Forensic Psychology as an Aid to Investigation. Psychological profiling. Detection of deception: polygraph examination, firm, lie detection, brain electrical oscillation signature profiling, narcoanalysis, forensic hypnosis, voice-stress analysis. Theories, techniques, instrumentation, methodology, procedure & critical evaluation.

Unit- V

(14 hours)

Forensic Psychology in Criminal Proceedings. Criminal responsibility, diminished capacity, risk assessment. Eye-witness testimony

* denotes Self study

Teaching Methods

Smart classroom / Powerpoint presentation / Seminar / Quiz / Discussion

Text Books

1. Fulero, S, & Wrightsman, L. (2014). Forensic Psychology. New York: Wadsworth Publishers
2. Goldstein A.M (2012) Forensic Psychology: Emerging Topics and Expanding Roles. New York; John Wiley
3. Bartol, C., & Bartol, A. (2008). Introduction to Forensic Psychology: Research and Application (Second ed.). London: SAGE

MAPPING

POS CO	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
C01	H	M	S	H	H
C02	S	H	M	S	H
C03	H	M	M	M	S
C04	M	M	L	S	L
C05	H	H	M	M	S

S – Strong

H – High

M – Medium

L – Low

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper		Core Paper 11 - Social Psychology II		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	VI	6	90	5

Course Objectives

1. To understand the theories, concepts, perspectives in social psychology.
2. To explain how theories used to describe human attitude and behaviour.
3. Analysis the nature of human diversity and attitudes toward diversity

Course Outcomes (CO)

K1 to K5	CO1	Illustrate group influences and apply the knowledge to explain day to day events
	CO2	To understand the key substantive content of the field of social psychology
	CO3	Identify reasons for why, when people help and devise strategies to promote pro-social behavior
	CO4	Use existing knowledge and concepts to identify the causes of the social Behavior
	CO5	Develop the abilities to analysis regarding the principles of social behavior

Unit – I: Prosocial Behavior (18 hours)

Prosocial Behaviour and Altruism: Dealing with emergencies-Motives for prosocial behavior. Responding to an emergency- External and internal influence on helping behavior- Long term commitment to prosocial acts

Unit – II: Aggression (18 hours)

Perspectives on aggression- Causes of human aggression: Social, culture, personal, and Situational –Aggression in ongoing relationship: bullying and aggression at work-The prevention and control of aggression: some useful techniques

Unit-III: Groups And Individuals (18 hours)

*Benefits of joining :Effects of the presence of others : From task performance to Behavior in Crowds-Social loafing : Letting others do the work –Coordination in groups- Perceived fairness in groups: Its nature and effects- *Decision making by groups

Unit – IV: Conformity, Compliance And Obedience (18 hours)

Conformity: Factors affecting Conformity - The bases of Conformity - Compliance: The Foot-in-the-Door Technique – The Door-in-the-Face Technique - The That's-Not-All Technique - The Lowballing *Technique - On-the-Job Influence. Obedience: Obedience to Authority - Milgram Studies - Defying Social Pressure.

Sub.Code: 22UPS611

Unit – V: Applying Social Psychology

(18 hours)

Applying Social Psychology to the interpersonal aspects of the legal System – The Testimony of Eyewitnesses - Problems and solutions – Processing Health Related Information – world of work – *Job satisfaction – Helping – and Leadership.

* denotes Self study

Teaching Methods

Smart classroom / Powerpoint presentation / Seminar / Quiz / Discussion

References

1. Feldman, Robert S., Social Psychology, (Second Edition). New Jersey, USA: Prentice Hall, 1998.
2. Baron, R.A. and Byrne, D., Social Psychology, (8th Edition). New Delhi: Prentice Hall of India, 1997.
3. Myers, David G. Social Psychology. (8th Edition). New Delhi: Tata McGraw – Hill Publishing Company Limited. 2006.
4. Baron, R.A., Bhardwaj, G., Branscombe, N.R. and Byrne, D. Social Psychology, (8th Edition). New Delhi; Pearson Education (2009)

MAPPING

<div>PSO</div> <div>CO</div>	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
C01	H	M	S	H	H
C02	M	M	S	S	H
C03	H	M	S	M	S
C04	H	M	S	S	M
C05	H	H	M	M	M

S – Strong

H – High

M – Medium

L – Low

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper		Core Paper 12 - Industrial Psychology – II		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	VI	6	90	4

Course Objectives

1. To comprehend motivation in the industry and job satisfaction
2. To know the accident and prevention techniques
3. To learn the stressors in the work place
4. To explain the engineering psychology
5. To understand the Industrial clinical psychology

Course Outcomes (CO)

K1 to K5	CO1	Define the motivation and job satisfaction.
	CO2	Outline the various components of job involvement
	CO3	Identify the stress in the workplace.
	CO4	To analyze the psychological principles influence behavior in the workplace
	CO5	Examine the effectiveness of Industrial Clinical Psychology

Unit – I: Motivation, Job Satisfaction And Job Involvement (18 hours)

Motivation: - Content Theories of Motivation – Process Theories of Motivation – Job Satisfaction:- Impact of Personal Characteristics – Job Satisfaction and On the Job Behaviour – Job Involvement and Organisational Commitment.

Unit – II: Accident and Safety (18 hours)

Accident Statistics – *Causes of Accidents – Accident Proneness – Accident Prevention.

Unit – III: Stress In The Workplace (18 hours)

Occupational Health Psychology – Physiological Effects of Stress – Individual Differences in Stress Responses – Work Family Conflicts – Causes of Stress in the Workplace – Effects of Stress in the Workplace – Treating Stress in the Workplace.

Unit – IV: Engineering Psychology (18 hours)

History and Scope of Engineering Psychology – Time and Motion Study – Person Machine Systems – Workspace Design – Displays – Controls – Design of Computer Work Stations.

Unit – V: Industrial Clinical Psychology

(18 hours)

Meaning – The Clinical Model and Performance Control – Individual Causes of Failure – *Group Causes of Failure – Organisational/Contextual Causes of Failures – Treatment and Corrective Action.

References

1. Schultz, D. and Schultz, E. Sydney. Psychology and Work Today, An Introduction to Industrial and Organizational Psychology, New Delhi: Pearson Education, 2004.
2. Miner John, B., Industrial and Organisational Psychology, New York: McGraw - Hill, 1992.

* denotes Self study

Teaching Methods

Smart classroom / Powerpoint presentation / Seminar / Quiz / Discussion

MAPPING

<div>PSO CO</div>	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
C01	S	M	S	H	H
C02	M	H	M	S	H
C03	H	S	M	S	S
C04	S	M	S	S	L
C05	H	H	H	M	M
S – Strong H – High M – Medium L – Low					

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper		Core Practical 4 - Experimental Psychology – IV		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	VI	5	75	2

Course Objectives

1. To provide students with practical exposure.
2. To assess, apply and interpret various questionnaires.
3. To understand the various types of test related to thinking.
4. To explain the social psychology test
5. To know the testing and assessment

Course Outcomes (CO)

K1 to K5	CO1	To asses and interpret the thinking of an individual
	CO2	To assess the various social skills of an individual
	CO3	Applying various test methods in research methodology
	CO4	To evaluate the intelligence of an individual
	CO5	To analyze the ability of an individual

Social Psychology

Aggression Scale

Altruism Scale

Attitude Scale (Adult)

Social Skills Problem Behaviour Checklist (**Madhu Mathur and Saroj Aurora**)

Research Methodology

Test of Significance

Correlation Methods

One Way Anova

Testing and Assessment

Alexander Pass-along Test

Raven's Progressive Matrices

Bhatia's Battery

Binet Kamath Test of Intelligence

Reasoning Ability Test (Shailaja Bhagawat)

References

1. Anastasi and Urbina (2010). Psychological Testing (7th Ed.) New Delhi. PHI Learning Pvt. Ltd.
2. Rajamanickam (2005). Experimental Psychology, Vol 1 & Vol II, New Delhi : Concept Publishing Company
3. Collins, and Drever, J(1968). Experimental Psychology: Ludhiana: Lyall Book Depot
4. Kuppaswamy .B (1954). Elementary Experiments In Psychology, Madras: Oxford Publishing Press
5. Woodworth, R.S. and Schlosberg .H. (1971) Experimental Psychology. New Delhi: Oxford Publishing Co.
6. Freeman F.S. (1976). Theory and Practice of Psychological Testing: New Delhi: Oxford and IBH Publishing Co.

MAPPING

PSO CO	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	M	M	H	H	H
CO2	M	H	S	S	H
CO3	H	M	M	L	S
CO4	M	M	S	S	H
CO5	S	H	M	M	S

S – Strong**H – High****M – Medium****L – Low**

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper		Project Work & Viva – Voce		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	VI	4	60	5

PROJECT WORK AND VIVA VOCE (100 MARKS)

The students are required to take up a group project work on an issue of psychological importance under the supervision of teachers. The project work may be either examining the relationship among certain psychological variables or psychological case analyses.

The project work shall be carried out during the VI semester and the project report shall be submitted at the end of the VI semester neatly typed and bound (1 Hard Copy and 1 Soft Copy in PDF format).

Guidelines

1. Assure that the topics selected must be within the limits of the individual or group members capacity.
2. Authenticity of data should be verified and assured.
3. Genuine issues of psychological interest have to be selected.
4. Hypothesis has to be framed to represent the problem of study.
5. Independent variable, dependent variable and intervening variables have to be properly identified.
6. Sufficient review of literature about the variables selected has to be presented.
7. Appropriate experimental design, if necessary, has to be selected.
8. Study should be based on viable methodology.
9. Proper sampling technique has to be adopted.
10. Analysis must be completed
11. Interpretation of results should be substantiated with conceptual and other proofs.
12. References should be complete.
13. If possible, project work can be an extension of the test constructed.

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper:		Skill Based subject 1- Cyber Security		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	III	2	30	3

Course Objectives

1. The course introduces the basic concepts of Cyber Security
2. To develop an ability to understand about various modes of Cyber Crimes and Preventive measures
3. To understand about the Cyber Legal laws and Punishments

Course Outcomes (CO)

K1	CO1	To Understand the Concepts of Cybercrime and Cyber Frauds
K2	CO2	To Know about Cyber Terrorism and its preventive measures
K3	CO3	To Analyze about the Internet, Mobile Phone and E-commerce security issues
K4	CO4	To Understand about E-mail and Social Media Issues
K5	CO5	To Describe about various legal responses to Cybercrime

Syllabus

Unit I

6 Hours

Introduction to Cyber Security: Definition of Cyber Security- Why is Cyber Security important? Layers of Cyber Security- Evolution of Cyber Security. Cyber hacking - Cyber fraud: Definition- Different modes of cyber fraud - Cyber fraud in India. Cyber pornography.

Unit II

6 Hours

Cyber Terrorism: Modes of cyber terrorism. Cybercrime: What is Cybercrime? Cybercrime preventive methods - Preventive steps for individuals & organizations - Kinds of cybercrime - Malware and its types – Cyber attacks.

Unit III

5 Hours

Internet Mobile Phone and E-commerce Security issues: Data theft - Punishment of data theft- Theft of internet hours - Internet safety tips for children & parents. Mobile phone privacy-E-Commerce security issues.

Unit IV

6 Hours

Email and Social media issues: Aspects of Social Media - The Vicious Cycle of unhealthy social media use- Modifying social media use to improve mental health. Computer Virus - Antivirus – Firewalls.

Unit V

7 Hours

Cyber Forensics and Digital Evidence: What does Digital Footprint Mean? - Web Browsing and Digital Footprints- Digital Footprint examples – How to Protect Your Digital Footprints? - How to erase your Footprints? - Browser Extensions and Search Engine Deletion - Cyber Crime and Cyber Laws - Common Cyber Crimes and Applicable Legal Provisions: A Snapshot - Cyber Law (IT Law) in India – The Information Technology Act of India 2000 - Cyber Law and Punishments in India - Cyber Crime Prevention guide to users – Regulatory Authorities.

Teaching Methods:

Chalk and Talk, Presentation, Seminar, Quiz, Discussion & Assignment

Text Book:

1. **“Cyber Security”, Text Book** prepared by “Kongunadu Arts and Science College”, Coimbatore - 29, 2022.

Reference Books:

1. Mayank Bhushan, Rajkumar Singh Rathore, Aatif Jamshed, **“Fundamental of Cyber Security”**, BPB Publications, 1st Edition, 2017.
2. Anand Shinde, **“Introduction to Cyber Security-Guide to the world of Cyber Security”**, Notion Press, 2021.
3. Paul Grishman, **“Cyber Terrorism- The use of the Internet for Terrorist Purpose”**, Axis Publication, 1st Edition 2010.
4. Shilpa Bhatnagar, **“Encyclopaedia of Cyber and Computer Hacking”**, Anmol Publications, 1st Edition 2009.

Web References:

1. <http://deity.gov.in/> - Department of Electronics and Information Technology,
2. Govt. of India
3. <http://cybercellmumbai.gov.in/> - Cybercrime investigation cell
4. <http://ncrb.gov.in/> - National Crime Records Bureau
5. <http://catindia.gov.in/Default.aspx> - Cyber Appellate Tribunal
6. <http://www.cert-in.org.in/> - Indian Computer Emergency Response Team
7. <http://cca.gov.in/rw/pages/index.en.do> - Controller of Certifying Authorities
8. www.safescrypt.com - Safescrypt
9. www.nic.in – National Informatics Centre
10. <https://www.kaspersky.com/resource-center/definitions/what-is-a-digital-footprint>
11. <https://geekflare.com/digital-footprint/>

Mapping

CO \ PSO	PSO				
	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	H	M	S	H
CO2	H	S	S	H	S
CO3	M	H	M	S	H
CO4	S	H	H	M	H

S – Strong

H – High

M – Medium

L – Low

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper		Skill Based subject 2 - Psychological Applications in Industry		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	VI	2	30	1

Course Objectives

1. To gain understanding of key human relations skills demanded at the workplace
2. To develop self-understanding, strengthen interpersonal relationships, manage stress, effective communication skills
3. perform as a focused leader in today's tough business environment

Course Outcomes (CO)

K1 to K4	CO1	To acquire the knowledge about behavior modification and to know the history and Applications
	CO2	To understand the basic principles of Behavior Modification
	CO3	To analyze behavior change and to know the principles of recording
	CO4	To understand the behavior modification techniques
	CO5	To apply the behavior modification techniques in their day today life.

Unit 1

(4 Hours)

Self management and social awareness: Understanding self-strengths and weaknesses, Johari window, Emotional Intelligence, Stress and Coping, Time Management

Unit 2

(6 Hours)

Inter-personal Communication: Verbal (Oral, writing) and Non-verbal Communication at Work, Overcoming barriers to effective communication, Active Listening, Giving and Receiving Feedback

Unit 3

(4 Hours)

Leadership Development: Characteristics of Leadership (developing confidence, assertiveness), Effective Delegation, Problem Solving, Conflict Resolution

Unit 4

(8 Hours)

Team building: Characteristics of a team, Negotiation, Appreciation of Diversity, Group Decision Making

Unit 5**(8 Hours)**

Industrial / Organisational Counselling: - Meaning – Problems in industry / Organisations – Methods of Industrial / Organisational Counselling – Approaches to industrial / Organisational Counselling.

References:

1. De Bono, E. (1985). Six Thinking Hats: An Essential Approach to Business Management. New York: Little, Brown, & Company.
2. Greenberg, J. & Baron, R.A. (2007). Behaviour in Organizations (9th Ed.). India: Dorling Kindersley
3. Hayes, J. (2002). Interpersonal skills at work, 2nd edition. New York: Routledge
4. Luft, J. & Ingham, H. (1955). The Johari window: A graphic model of interpersonal awareness. Proceedings of the western training laboratory in group development. Los Angeles: UCLA
5. Miner, John B. Industrial Organizational Psychology. New York: McGraw – Hill.

MAPPING

CO \ PSO	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	M	M	H	H
CO2	M	H	S	S	H
CO3	H	M	H	S	L
CO4	M	H	M	S	S
CO5	H	H	M	M	S
S – Strong	H – High		M – Medium		L – Low

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper:		Skill Based subject 3- Counselling Psychology		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	VI	2	30	1

Course Objectives

To enable the students to

1. Understand the meaning and importance of counselling in the present context
2. Learn the methods of establishing counselling relationship
3. Know the dynamics and termination of counselling relationship
4. Understand the behavioural, cognitive and other approaches to counselling

Course Outcomes (CO)

At the end of the course, the students will be able to

K1 to K5	CO1	Understand the concept of counselling psychology
	CO2	To gain the knowledge about the need and importance of counselling psychology.
	CO3	To understand different models of human behavior based on Psychology
	CO4	Evaluate the psychoanalytic and humanistic approaches to counselling.
	CO5	Applying the counselling principles to everyday life

UNIT – I

(4 Hours)

INTRODUCTION

History of and Trends in Counselling - Definition of Counselling – History of Counselling – Current trends in the New Millennium - Dealing with violence, trauma and crises, the challenge of managed care, promoting wellness, concern for social justice, greater emphasis on the use of technology and leadership.

UNIT - II

(6 Hours)

COUNSELLING PROCESS

Building Counselling Relationships – Factors that influence the Counselling process – Seriousness of the presenting problem, Structure, Initiative, The physical setting, Client qualities and Counsellor qualities - Types of Initial Interviews – Conducting the initial interview – exploration and the identification of goals.

UNIT - III

(4 Hours)

COUNSELLING RELATIONSHIPS

Working in a Counselling Relationship – Counsellor skills in the understanding and action phases – Transference and Counter transference – the real relationship. Termination of Counselling Relationships – Function of termination – Timing of termination – Issues of termination – Resistance to termination – Premature termination – Counsellor initiated termination.

UNIT - IV

(8 Hours)

THEORIES OF COUNSELLING

Psychoanalytic, Adlerian and Humanistic Theories of Counselling– Psychoanalytic theories – Psychoanalysis - Adlerian theory – Adlerian Counselling - Humanistic theories – Person Centered Counselling, Existential Counselling and Gestalt therapy.

UNIT - V

(8 Hours)

THEORIES OF COUNSELLING

Behavioural, Cognitive, Systemic, Brief and Crisis Theories of Counselling – Behavioural Counselling – Cognitive and Cognitive-Behavioural counselling – Systems Theories – Brief Counselling Approaches – Solution-focussed counselling, Narrative Counselling – Crisis Counselling Approaches.

REFERENCES

1. Samuel T. Gladding. (2009). Counselling– A Comprehensive Profession. Sixth Edition. Pearson Education.
2. Narayana Rao, S.: Counselling Psychology (2010). New Delhi: Tata McGraw Hill.
3. Nelson Jones, Richard. (1982). The Theory and Practice of Counselling Psychology, London: Holt, Rinehart and Winston.
4. Gibson, Robert L and Mitchell, Marianne H, (1981). Introduction to Guidance, New York: MacMillan

* denotes Self study

Teaching Methods

Smart classroom / Powerpoint presentation / Seminar / Quiz / Discussion

MAPPING

<div>PSO</div> <div>CO</div>	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	H	M	S	H	S
CO2	M	H	M	S	H
CO3	H	M	S	S	S
CO4	M	M	M	S	M
CO5	H	H	M	M	S

S – Strong **H** – High **M** – Medium **L** – Low

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper		Major Elective – Consumer Behaviour		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	V	5	75	5

Course Objectives

1. Demonstrate how knowledge of consumer behaviour can be applied to marketing
2. To learn about factors which influence consumer behaviour
3. Relate psychological aspects such as personality, perception, and attitude to the choice's consumers make.
4. Demonstrate methods to improve customer satisfaction

Course Outcomes (CO)

K1 to K5	CO1	To understand consumer behaviour in an informed and systematic way
	CO2	To analyses personal, socio-cultural, and environmental dimensions related to consumer behavior
	CO3	To enable students in designing and evaluating the marketing strategies
	CO4	Application of market research in framing effective marketing strategies
	CO5	Analyze the major stages which consumers usually go through when making a Consumption

Unit:1 Introduction to Consumer Behaviour

(14 hours)

The marketing concept. The role of technology in exchange between consumers and markets. Consumer values, satisfaction and retention. Consumer decision making.

Unit:2 Segmentation, Targeting and Positioning

(15 hours)

Market segmentation and effective targeting. Bases for segmentation: Demographics and other bases. Behavioural targeting. Positioning and repositioning. Perceptual mapping

Unit:3 Consumer Motivation and Personality

(16 hours)

The dynamics of motivation. Systems of need – Measurement of motives The nature and theories of personality. Personality traits and consumer behaviour. Product and brand personification – Self and self-image.

Unit:4 Consumer Perception**(14 hours)**

The elements of perception. Perceptual selection – Perceptual organization. Perceptual interpretation – Consumer imagery Perceived quality – Perceived risk

Unit:5 Consumer Learning**(16 hours)**

The elements of consumer learning. Classical conditioning – Instrumental conditioning - Observational learning. Information processing – Cognitive learning Consumer involvement and Hemispheric lateralization Outcomes and measures of consumer learning

* denotes Self study

Teaching Methods

Smart classroom / Powerpoint presentation / Seminar / Quiz / Discussion

Text books

- 1.Schiffman, .G.L, Wisenblit, J. & Kumar, R.S. (2018). Consumer Behaviour (11th Ed.), Noida. Pearson Education
- 2.Loudon, D., Consumer Behaviour, Concepts and Applications, Albert Biutta, McGraw Hill, 2004

References

Kurder, K. Consumer Behaviour, PHI/Pearson, 2002

MAPPING

CO \ PSO	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	H	M	S	H	H
CO2	H	H	H	S	H
CO3	H	H	H	M	L
CO4	S	H	S	M	S
CO5	H	H	M	M	S
S – Strong	H – High		M – Medium		L – Low

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper:		Major Elective – Environmental Psychology		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	VI	5	75	5

Course Objectives

1. To introduce the origins, methods, research and applications in the field of environmental psychology.
2. Demonstrate how knowledge of psychology can be applied to Environment.
3. To learn about factors which influence Environment and relate psychological aspects to the environment behaviour.
4. To develop an appreciation of how psychology can contribute to shaping environments, preserve natural environments, and deal with the challenges of environmental crowding.
5. To develop students' capacities to be able to perform a basic research, practice or policy work in the field of environmental psychology.

Course Outcomes (CO)

K1 to K4	CO1	Select appropriate methods of research in the field of environmental psychology.
	CO2	Interpret the nature of human, components of eco systems and stressors of the environment.
	CO3	Describe and carryout the ecological view of psychological issues and identify the problems faced by the environmental psychologists.
	CO4	Evaluate an interdisciplinary scientific field which tries to complicate, understand, and improve the dynamic relationship between peoples and places.
	CO5	Analyze and interpret the explicit consideration of the environment when trying to understand psychological phenomena.

UNIT 1: Environmental Psychology

(15 Hours)

Nature and Characteristics; Classification of Environment. Indian Perspective on Human environment Relationship, World view in Psychology and Environmental Psychology, Environment Behavior theories: Arousal, Environmental Load, adaptation level. Behavior constraints, Ecological and Environmental Stress Approach.

Research Methods in Environmental Psychology: Experimental, Simulation, Methods of Data Collection: Self-report, Naturalistic Observation, Field Survey, Interview and Questionnaire, experimental, correlational and descriptive methods of data collection in environmental Research,

Unit 2: Ecology and Development:

(15 Hours)

Human Nature and Environmental Problems; Prosocial and Pro-environmental Behaviours, Ecosystems and Their Components: Ecology, Demography, Mortality and Fertility. Resource Use: Common Property Resources, Sustainable Developments, Acculturation and Psychological adaptation.

Environmental Stress: Nature and Characteristics. Types of Stress: Natural Disasters, Technological Catastrophe, Noise and Air-pollution, Nature and characteristics: Natural disasters, Technological catastrophe. Noise, Heat and Air pollution: Nature, characteristics and their influences on behavior with special reference to Indian conditions.

Unit: 3 Environmental Perception, Cognition and Attitudes**(15 Hours)**

Nature and Characteristics of Environmental Perception: Social and Cultural Influences. Environmental Cognition and Cognitive Mapping. Acquisition of Environmental Attitudes, Perception of movement, adaptation and change;

Effect of Environment on Behavior: Personal Space and Territoriality: Nature Functions and Determinants of Personal Space, Consequences of Personal Space Invasion Territoriality Functions and Types; Personal Space: Nature, measurement, determinants, consequences of personal space invasion.

Unit 4: Crowding**(15 Hours)**

Nature and Characteristics, Features and Effects of Crowding on Animals and Human Beings, Concept, physiological and behavioral consequences, theories of crowding, overload, arousal, density intensify, behavior constraints, control.

Environmental Psychology and Saving the Environment: Environmental Education, Prompts and Reinforcement Techniques in Indian Context.

UNIT: 5 Environmental psychology and community**(15 Hours)**

Quality of life, social process and socialites, preventive intervention; social support and personal control: areas of intervention; Residential neighborhood and urban environments.

Changing behavior to save the environment: environmental education, prompt, reinforcement, techniques, specific environmental problems: Littering energy conservation, transportation and vandalism.

BOOKS RECOMMENDED:

1. Bell, P. A., Greene, T. C., Fisher, J. D. and Baum, A. (2001). Environmental Psychology (Vth Edition). USA: Wadsworth Group / Thomson learning, 10 Davis Drive Belmont CA.
2. Goldsmith, E. (1991). The Way; The Ecological World – View. Bostone; Shambala
3. Ittelson W. H., Proshansky, H. M., Rilvin, E. G., Winkel, G. H. and Dempsey, D. (1974). An Introduction to Environmental Psychology. New York: Holt Rinehart and Winston.
4. Stokols, D. and Atmann, I. (Eds) (1987). Handbook of Environmental Psychology. New York: Wiley.
5. Tewari, P. S. N. (2000). Paryavaraniya Manovigyan. New Delhi: Moti Lal Banarsi Das.
6. Sahoo, F.M. Mishra P.K. & Pinta, R.S. (1985) Environment and Behavior: Ecology Perspective. New Delhi: Akshat Publications.
7. Bell, P.A. Fisher, J.D. & Loomis, R.J. (1973) Environmental Psychology, Philadelphia W.B. Sannders.

MAPPING

CO \ PSO	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	H	S	H	H
CO2	S	H	M	S	H
CO3	H	S	H	M	L
CO4	S	H	S	H	S
CO5	M	H	M	M	H

S – Strong**H – High****M – Medium****L – Low**

For B.A., BBA, B.Com, BCA and B.Sc., Degree Students			
PART IV – ENVIRONMENTAL STUDIES			
Batch	Hours / Week	Total Hours	Credits
2022-2023	2	30	2

COURSE OBJECTIVES

1. The course will provide students with an understanding and appreciation of the complex interactions of man, health and the environment. It will expose students to the multi-disciplinary nature of environmental health sciences
2. To inculcate knowledge and create awareness about ecological and environmental concepts, issues and solutions to environmental problems.
3. To shape students into good “Ecocitizens” thereby catering to global environmental needs.
4. This course is designed to study about the types of pollutants including gases, chemicals petroleum, noise, light, global warming and radiation as well as pollutant flow and recycling and principles of environmental pollution such as air, water and soil
5. The course will address environmental stress and pollution, their sources in natural and workplace environments, their modes of transport and transformation, their ecological and public health effects, and existing methods for environmental disease prevention and remediation.

COURSE OUTCOMES

On successful completion of the course, the students will be able to

<div style="display: flex; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">K1</div> <div style="margin: 0 10px;">↑</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">K5</div> </div>	CO 1	Understand how interactions between organisms and their environments drive the dynamics of individuals, populations, communities and ecosystems
	CO2	Develop an in depth knowledge on the interdisciplinary relationship of cultural, ethical and social aspects of global environmental issues
	CO3	Acquiring values and attitudes towards complex environmental socio-economic challenges and providing participatory role in solving current environmental problems and preventing the future ones
	CO4	To gain inherent knowledge on basic concepts of biodiversity in an ecological context and about the current threats of biodiversity
	CO5	To appraise the major concepts and terminology in the field of environmental pollutants, its interconnections and direct damage to the wildlife, in addition to human communities and ecosystems

UNIT I MULTIDISCIPLINARY NATURE OF ENVIRONMENT**(6 HOURS)**

Definition : scope and importance – Need for public awareness - Natural resources – Types of resources – Forest Resources – Water Resources – Mineral Resources – Food Resources – Energy Resources – Land Resources.

UNIT II ECOSYSTEMS**(6 HOURS)**

Concept of an ecosystem – Structure and functions of an ecosystem – Procedures, consumers and decomposers – Energy flow in the ecosystem – Ecological succession – Food chains, food web and ecological pyramids – Structure and function of the following ecosystem – Forest Ecosystem – Grassland Ecosystem – Desert Ecosystem – Aquatic Ecosystem.

UNIT III BIODIVERSITY AND ITS CONSERVATION**(6HOURS)**

Introduction – Definition – Genetic – Species and ecosystem diversity- Bio geographical classification of India – Value of biodiversity – Biodiversity at global, national and local levels – India as a mega - diversity Nation - Hot spot of biodiversity – Threats to biodiversity - Endangered and endemic species of India – Conservation of Biodiversity – *Insitu* Conservation of Biodiversity – *Exsitu* Conservation of Biodiversity

Sub.Code: 22EVS101**UNIT IV ENVIRONMENTAL POLLUTION****(6 HOURS)**

Definition - Causes, effects and control measures of : Air Pollution – Water Pollution – Soil Pollution – Marine Pollution – Noise Pollution – Thermal Pollution – Nuclear Pollution – Solid Waste Management: Causes, effects, control measures of urban and industrial wastes – Role of individual in prevention of pollution – Pollution case studies – domestic waste water, effluent from paper mill and dyeing, cement pollution – Disaster Management – Food, Drought, Earthquake, Tsunami, Cyclone and Landslide.

UNIT V SOCIAL ISSUES AND THE ENVIRONMENT**(6 HOURS)**

Sustainable Development – Smart City, Urban planning, Town Planning , Urban problems related to energy – Water Conservation: Rain Water Harvesting and Watershed Management – Resettlement and rehabilitation of people, its problems and concerns, case studies Narmatha Valley Project – Environmental ethics, issues and possible solutions – Climate change, global warming, ozone layer depletion, acid rain, nuclear accidents and holocaust, case studies – Hiroshima and Nagasaki, Chernobyl – Consumerism and waste products – Environmental Protection Act – Air Pollution Act (Prevention and Control) – Water Pollution Act (Prevention and control) – Wild Life Protection Act – Forest Conservation Act – Issues involved in enforcement of environmental legislation – Public awareness – Human Population and the environment – Population Growth and Distribution – Population Explosion – Family Welfare Programme – Environment and Human Health – Human Rights – Value Education – HIV/ AIDS – Women and Child Welfare – Role of Information Technology in Environment and Human Health.

Text Book

1.P.Arul, A Text Book of Environmental Studies, Environmental Agency, No 27, Nattar street, Velacherry main road, Velacheery, Chennai – 42, First Edition, Nov.2004.

References

- 1.Purohit Shammi Agarwal, A text Book of Environmental Sciences, Publisher Mrs.Saraswati Prohit, Student Education , Behind Naswan Cinema Chopansi Road, Jodhpur.
- 2.Dr.Suresh and K.Dhameja, Environmental Sciences and Engineering , Publisher S.K.Kataria & Sons, 424/6, Guru Nanak Street, Vaisarak, Delhi -110 006.
- 3.J.Glynn Henry and Gary W Heinke, Environmental Science and Engineering, Prentice Hall of India Private Ltd., New Delhi – 110 001.

Question Paper Pattern for General papers

Environmental Studies**Question paper pattern****External only****22EVS101**

Duration: 3 hours

Total Marks : 50

Answer all Questions (5 x 10 = 50 Marks)

Essay type, either or type questions from each unit.

Programme Code: 21	For B.A., BBA, B.Com, BCA and B.Sc., Degree Students		
MORAL AND ETHICS			
Batch 2022-2023	Hours / Week 2	Total Hours 30	Credits 2

Course Objectives

- To impart Value Education in every walk of life.
- To help the students to reach excellence and reap success.
- To impart the right attitude by practicing self introspection.
- To portray the life and messages of Great Leaders.
- To insist the need for universal brotherhood, patience and tolerance.
- To help the students to keep them fit.
- To educate the importance of Yoga and Meditation.

Course Outcomes (CO)

After completing the course the students:

K1 to K5	CO1	will be able to recognize Moral values, Ethics, contribution of leaders, Yoga and its practice
	CO2	will be able to differentiate and relate the day to day applications of Yoga and Ethics in real life situations
	CO3	can emulate the principled life of great warriors and take it forward as a message to self and the society
	CO4	will be able to Analyse the Practical outcome of practicing Moral values in real life situation
	CO5	could Evaluate and Rank the outcome of the pragmatic approach to further develop the skills

Syllabus

UNIT I:

4 Hours

Moral and Ethics: Introduction – Meaning of Moral and Ethics – Social Ethics – Ethics and Culture – Aim of Education.

UNIT II:

6 Hours

Life and Teachings of Swami Vivekananda: Birth and Childhood days of Swami Vivekananda – At the Parliament of Religions – Teachings of Swami Vivekananda

UNIT III:

4 Hours

Warriors of our Nation: Subhas Chandra Bose – Sardhar Vallabhbhai Patel – Udham Singh – V. O. Chidambaram Pillai – Bhagat Singh – Tiruppur Kumaran – Dheeran Chinnamalai – Thillaiaadi Valliammai – Velu Nachiyar – Vanchinathan

UNIT IV:

8 Hours

Physical Fitness and Mental Harmony: Simplified Physical Exercise – Hand Exercises – Leg Exercises – Neuro Muscular Breathing Exercises – Eye Exercises – Kabalabathi – Maharasana A & B – Massage - Acupressure – Relaxation – Kayakalpa Yogam - LifeForce – Aim & Objectives – Principle – Methods. Introspection – Analysis of Thoughts – Moralization of Desires – Neutralization of Anger – Eradication of Worries

UNIT V:**8 Hours**

Yoga and Meditation – The Asset of India: Yogasanam – Rules & Regulations – Surya Namaskar – Asanas –Sitting – Stanging – Prone - Supine - Pranayama – Naadi Sudhi – Ujjayi – Seethali – Sithkari - Benefits. Meditation – Thanduvasudhi - Agna – Shanthi – Thuriyam – Benefits.

Text Books:

Value Based Education – Moral and Ethics – compiled by Kongunadu Arts and Science College (Autonomous), 2nd Edition (2021).

Reference Books:

1. Swami Vivekananda – A Biography, Swami Nikhilananda, Advaita Ashrama, India, 24th Reprint Edition (2010).
2. Gandhi, Nehru, Tagore and other eminent personalities of Modern India, Kalpana Rajaram, Spectrum Books Pvt. Ltd., revised and enlarged edition(2004).
3. Freedom Fighters of India, Lion M.G. Agrawal, Isha Books Publisher, First Edition (2008).
4. Easy steps to Yoga by Swami Vivekananda, A Divine Life Society Publication(2000).
5. Yoga Practices - 1 – The World Community Service Centre – Vethathiri Publications, Sixth Edition (2017), Erode.
6. Yoga Practices - 2 – The World Community Service Centre – Vethathiri Publications– Eighth Edition (2017), Erode.

Value Education – Moral & Ethics**22VED201**

Question Paper Pattern
(External only)

Duration: 3 hours

Total Marks: 50

Answer all Questions (5 x 10 = 50 Marks)
Essay type, either or type questions from each unit.

Programme Code : 21	For B.A., BBA, B.Com, BCA and B.Sc., Degree Students		
PART IV -NON MAJOR ELECTIVE –I HUMAN RIGHTS			
Batch 2022-2023	Hours / Week 2	Total Hours 30	Credits 2

Course Objectives

1. To prepare for responsible citizenship with awareness of the relationship between Human Rights, democracy and development.
2. To impart education on national and international regime on Human Rights.
3. To sensitive students to human suffering and promotion of human life with dignity.
4. To develop skills on human rights advocacy
5. To appreciate the relationship between rights and duties
6. To foster respect for tolerance and compassion for all living creature.

Course Outcomes (CO)

K1 to K5	CO1	To understand the hidden truth of Human Rights by studying various theories
	CO2	To acquire overall knowledge regarding Human Rights given by United Nation Commission (UNO).
	CO3	To gain knowledge about various organs responsible for Human Rights such as National Human Rights Commission and State Human Right Commission (UNHCR).
	CO4	To get habits of how to treat aged person, others and positive social responsibilities.
	CO5	To treat and confirm, child, refugees and minorities with positive social justice.

UNIT – I

Definition, Meaning, Concept ,Theories and Kinds of Human Rights- Evaluation and Protection of Human Rights in India- Development of Human Rights under the United Nations.

UNIT – II

United Nations Charter and Human Rights - U.N.Commission on Human Rights- Universal Declaration of Human Rights - International Covenant on

- Civil & Political Rights
- Economic, Social and Cultural Rights

UNIT – III

Human Rights and Fundamental Rights (Constitution) - Enactments regarding Human Rights Laws in India - National Human Rights Commission and State Human Rights Commission.

UNIT – IV

Aged persons and their Human Rights - Human Rights of Persons with Disabilities - Tribal Human Rights in India - Three Generation Human Rights -Social Awareness and Responsibilities of Individuals.

UNIT – V

Rights of Women, Child, Refugees and Minorities –Social media and Human Rights -
NGO's in protection of Human Rights - Right to Election

Books for Study:

1. Human Rights (2019) Compiled by Kongunadu Arts and Science College, Coimbatore –29.

Book for Reference:

1. Human Rights, (2018) Jaganathan, MA., MBA., MMM., ML., ML., Humanitarian Law and J.P. Arjun Proprietor, Usha Jaganathan Refugee Law, law series, 1st floor, Narmatha Nanthi Street, Magathma Gandhi Nagar, Madurai – 625014.

NON-MAJOR ELECTIVES I – HUMAN RIGHTS

22UHR3N1

QUESTION PAPER PATTERN

(External only)

Duration: 3 Hours

Max. Marks: 75

Answer ALL Questions

SECTION A

(5 x 5 = 25 marks)

Short answers, either or type, one question from each unit.

SECTION B

(5 x 10 = 50 marks)

Essay type questions, either or type, one question from each unit.

Sub.Code : 22UWR4N2

Programme Code: 21	For B.A., BBA, B.Com, BCA and B.Sc., Degree Students		
Course Code:22UWR4N2	Part IV -Non- Major Elective – II Women's Rights		
Batch 2022-2023	Hours / Week 2	Total Hours 30	Credits 2

Objectives

- 1.To know about the laws enacted to protect Women against violence.
- 2.To impart awareness about the hurdles faced by Women.
- 3.To develop a knowledge about the status of all forms of Women to access to justice.
- 4.To create awareness about Women's rights.
- 5.To know about laws and norms pertaining to protection of Women.
- 6.To understand the articles which enables the Women's rights.
- 7.To understand the Special Women Welfare laws.
- 8.To realize how the violence against Women puts an undue burden on healthcare services.

Course Outcomes (CO)

K1toK5	CO1	Understand the importance of Women's Studies and incorporate Women's Studies with other fields.
	CO2	Analyze the realities of Women Empowerment, Portrayal of Women in Media, Development and Communication.
	CO3	Interpret the laws pertaining to violence against Women and legal consequences.
	CO4	Study the important elements in the Indian Constitution, Indian Laws for Protection of Women.
	CO5	To be Aware of Government Developmental schemes for women and to create Awareness on modernization and impact of technology on Women.

Syllabus**Unit I****(6 Hours)****Women's Studies:**

Basic concepts of Women's studies in Higher education, Women's studies perspectives- Socialization- Patriarchy- Women's studies as an academic discipline- Growth and development of Women's studies as a discipline internationally and in India.

Unit II**(6 Hours)****Socio-Economic Development of Women:**

Family welfare measures, role of Women in economic development, representation of Women in media, status of Women land rights, Women Entrepreneurs, National policy for the empowerment of women.

Unit III**(6 Hours)****Women's Rights – Access to Justice:**

Crime against Women, domestic violence – physical abuse- verbal abuse – emotional abuse - economic abuse – minorities, dowry- harassment and death, code of conduct for work place, abetment of suicide.

Sub.Code : 22UWR4N2

Unit IV**(6 Hours)****Women Protective acts:**

Protective legislation for Women in the Indian constitution- Anti dowry, SITA, PNDDT, and Prevention Sexual Harassment at Workplace (Visaka case), Domestic violence (Prevention) Act.

Unit V**(6 Hours)****Women and Child welfare:**

Safety provisions - various forms of mass media, radio, visual, internet, cyber space, texting, SMS and smart phone usage. Healing measures for the affected Women and child society by private and public sector, NGO and society.

Teaching Methods:

Smart Class Room / Power point Presentation / Seminar / Quiz / Discussion / Flipped Class

Text Book:

1. **Women's Rights** (2021), compiled by Kongunadu Arts & Science College, Coimbatore – 641 029.

Reference Books:

1. **"Rights of Indian Women"** by Vipul Srivatsava. Publisher: Corporate Law Advisor, 2014.
2. **"Women's security and Indian law"** by Harsharam Singh. Publisher: Aabha Publishers and Distributors, 2015.
3. **"Women's Property Rights in India"** by Kalpaz publications, 2016.

NON-MAJOR ELECTIVES I – WOMEN'S RIGHTS**22UWR4N2****QUESTION PAPER PATTERN****(External only)****Duration: 3 Hours****Max. Marks: 75****Answer ALL Questions****SECTION A****(5 x 5 = 25 marks)**

Short answers, either or type, one question from each unit.

SECTION B**(5 x 10 = 50 marks)**

Essay type questions, either or type, one question from each unit.

Programme Code : 21		For B.A., B.Sc., and BCA Degree Students	
Non- Major Elective – Consumer Affairs			
Batch	Hours/Week	Total Hours	Credits
2022-2023	2	30	2

Course Objectives

- 1.To familiarize the students with their rights and responsibilities as a consumer.
- 2.To understand the procedure of redress of consumer complaints.
3. To know more about decisions on Leading Cases by Consumer Protection Act.
4. To get more knowledge about Organizational set-up under the Consumer Protection Act
5. To impart awareness about the Role of Industry Regulators in Consumer Protection
6. To understand Contemporary Issues in Consumer Affairs

Course Outcomes (CO)

K1 to K5	CO1	Able to know the rights and responsibility of consumers.
	CO2	Understand the importance and benefits of Consumer Protection Act.
	CO3	Applying the role of different agencies in establishing product and service standards.
	CO4	Analyse to handle the business firms' interface with consumers.
	CO5	Assess Quality and Standardization of consumer affairs

SYLLABUS

UNIT I

6 Hours

Conceptual Framework - Consumer and Markets: Concept of Consumer, Nature of markets: Liberalization and Globalization of markets with special reference to Indian Consumer Markets, E-Commerce with reference to Indian Market, Concept of Price in Retail and Wholesale, Maximum Retail Price (MRP), Fair Price, GST, labeling and packaging along with relevant laws, Legal Metrology. Experiencing and Voicing Dissatisfaction: Consumer buying process, Consumer Satisfaction/dissatisfaction-Grievances-complaint, Consumer Complaining Behaviour: Alternatives available to Dissatisfied Consumers; Complaint Handling Process: ISO 10000suite

UNIT II

6 Hours

The Consumer Protection Law in India - Objectives and Basic Concepts: Consumer rights and UN Guidelines on consumer protection, Consumer goods, defect in goods, spurious goods and services, service, deficiency in service, unfair trade practice, restrictive tradepractice.

Organizational set-up under the Consumer Protection Act: Advisory Bodies: Consumer Protection Councils at the Central, State and District Levels; Adjudicatory Bodies: District Forums, State Commissions, National Commission: Their Composition, Powers, and Jurisdiction (Pecuniary and Territorial), Role of Supreme Court under the CPA with important case law.

UNIT III**6 Hours**

Grievance Redressal Mechanism under the Indian Consumer Protection Law - Who can file a complaint? Grounds of filing a complaint; Limitation period; Procedure for filing and hearing of a complaint; Disposal of cases, Relief/Remedy available; Temporary Injunction, Enforcement of order, Appeal, frivolous and vexatious complaints; Offences and penalties.

Leading Cases decided under Consumer Protection law by Supreme Court/National Commission: Medical Negligence; Banking; Insurance; Housing & Real Estate; Electricity and Telecom Services; Education; Defective Products; Unfair Trade Practices.

UNIT IV**6 Hours**

Role of Industry Regulators in Consumer Protection

- i. Banking: RBI and Banking Ombudsman
- ii. Insurance: IRDA and Insurance Ombudsman
- iii. Telecommunication: TRAI
- iv. Food Products: FSSAI
- v. Electricity Supply: Electricity Regulatory Commission
- vi. Real Estate Regulatory Authority

UNIT V**6 Hours**

Contemporary Issues in Consumer Affairs - Consumer Movement in India: Evolution of Consumer Movement in India, Formation of consumer organizations and their role in consumer protection, Misleading Advertisements and sustainable consumption, National Consumer Helpline, Comparative Product testing, Sustainable consumption and energy ratings.

Quality and Standardization: Voluntary and Mandatory standards; Role of BIS, Indian Standards Mark (ISI), Ag-mark, Hallmarking, Licensing and Surveillance; Role of International Standards: ISO an Overview.

Note: Unit 2 and 3 refers to the Consumer Protection Act, 2086. Any change in law would be added appropriately after the new law is notified.

Teaching Methods:

Smart Class rooms /Power Point Presentations / Seminars/Quiz /Discussion /Flipped Classrooms

SUGGESTED READINGS:

1. Khanna, Sri Ram, Savita Hanspal, Sheetal Kapoor, and H.K. Awasthi. (2007) Consumer Affairs, UniversitiesPress.
2. Choudhary, Ram Naresh Prasad (2005). Consumer Protection Law Provisions andProcedure, Deep and Deep Publications PvtLtd.
3. G. Ganesan and M. Sumathy. (2012). Globalisation and Consumerism: Issues and Challenges, RegalPublications
4. Suresh Misra and Sapna Chadah (2012). Consumer Protection in India: Issues andConcerns, IIPA NewDelhi.
5. Rajyalaxmi Rao (2012), Consumer is King, Universal Law Publishing Company 6.Girimaji, Pushpa (2002). Consumer Right for Everyone Penguin Books.
6. E-books :-www.consumereducation.in
7. Empowering Consumers e-book,www.consumeraffairs.nic.in 9.ebook,www.bis.org
8. The Consumer Protection Act, 2086 and its later versions.

Programme Code: 21		B.Sc (Psychology)		
Title of the Paper:		Extra Departmental course - Personality assessment		
Batch	Semester	Hours / Week	Total Hours	Credits
2022-2025	V	2	30	3

Course Objectives

1. To know the basic concepts of personality assessment
2. To understand the importance of self-report inventories
3. To explain the Minnesota Multiphasic Personality Inventory
4. To know the different types of personality assessment

Course Outcomes (CO)

K1 to K4	CO1	Define the fundamental concepts of personality assessment
	CO2	Classify the various scales of self – report.
	CO3	Identify the various assessment tools available under clinical disorders
	CO4	Identify the various performance based measures.
	CO5	Examine various interest, ability and aptitude scales used for career based assessments

Syllabus

Unit I: Basic Considerations

(4 hours)

History of Personality Assessment – Emergence of personality Psychology- world War II and the expansion of clinical psychology-Trends over time : Shrinkage and Growth- The Personality Assessment-Purpose of personality Assessment-Preparing of Personality Assessment Conducting Personality Assessments-Interpreting Personality Assessment Data-Reporting Personality Assessment Findings Psychometric Foundations of Assessment- Reliability-Validity-Clinical Decision Making- Impediments to Accurate Decisions- Ethical Considerations in Personality Assessment- Bases for assessments- Use of assessments-Release of Test data-Training students in Personality Assessment

Unit 2: Self - Report Inventories

(6 hours)

Nature of self-report inventories-Item characteristics-Administration and Scoring-standardization (Normative) Group-Method of scale Development-Validity Assessment Minnesota Multiphasic Personality Inventory-2- history- administration- Scoring- Assessing Validity-Psychometric Foundations.

Unit 3: Self - Report Inventories

(4 hours)

Minnesota Multiphasic Personality Inventory-Adolescent- history-administration-Scoring Assessing Validity-Psychometric Foundations- Million Clinical Multi-axial Inventory III- history-administration- Scoring-Assessing Validity-Psychometric Foundations

Unit 4: Personality Assessment Inventory

(8 hours)

History-administration-Scoring-Assessing Validity-*Psychometric Foundations- Revised NEO Personality Inventory- history-administration-Scoring-Assessing Validity-Psychometric Foundations

Unit 5: Performance Based Measures

(8 hours)

Nature of the Rorschach Inkblot Method- history- administration-coding and Scoring Interpretation Structural , Behavioural and Thematic Variables-Psychometric foundations- Thematic Apperception Test-history- administration-coding- Interpretation: card pull, story meaning- Psychometric foundations Figure Drawing Methods- Nature and history of Figure Drawing Methods- *administration- Scoring- Interpretation-Applications- Psychometric foundations- Sentence Completion methods- Nature and history of Sentence Completion methods- administration- Scoring- Interpretation Applications- Psychometric foundations

* denotes Self study

Teaching Methods

Smart classroom / Powerpoint presentation / Seminar / Quiz / Discussion

Reference

1. Weiner, Irving B. (2008). Handbook of Personality Assessment New Jersey: John Wiley and Sons.

MAPPING

CO \ PSO	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	M	S	H	H
CO2	M	H	S	H	H
CO3	M	H	S	S	S
CO4	M	M	M	S	H
CO5	H	H	M	L	S

S – Strong

H – High

M – Medium

L – Low