

# **SEMESTER - III**

# **COURSE STRUCTURE**

PCET'S PCU/SCHOOL OF SCIENCES/BSC.CLINICAL PSYCHOLOGY



ame of t Progran		BSc Clinical Psychology		Semester :	Semester : 3		Level: UG	
Course Name		Principles of Behavioral Neuroscience		Course Code/ Course Type		UBSCP201/MAJM		
Course	Pattern	2023		Version		1.0		
Teachin	g Scheme				Assessment S	Scheme		
Theory	Practical	Tutorial	Total Credits	Hours	CIA (Continuous Internal Assessment)	ESA (End Semester Assessment )	Practical/ Oral	
3	-	-	3	3	40	60	-	
Pre-Req	uisite:	FYBS	Sc.			1	1	
	Objectives			Neuroscier  1. To ne 2. To ne be 3. To ide pa fu 4. To co sy pa be 5. To re pr co co ur	recall the euroscience as a recognize the fervous system, , ehavior, sensation apply knowle entify and departments of analyze the emmunication, in a price transmist thways, and the ehavior and cognition, and inciples of new emmunication of emitive function and erlying neural	mechanisms of including neurot ssion, and neur eir significance in itive processes. Eural basis of medical attention, euroanatomy and to understand is are supported benetworks.	ne ctures of the n regulating t. anatomy to actures and neurological of neuronal ransmission, al signaling n mediating mory, object integrating d neuronal how these	
Course	Learning O	utcomes (C	CLO):	Students w	vould be able to	:		
				2. E	milestones in the the instruments Explain the basion and their function Apply knowledgo	istorical developme field of neuroscience. of neuroscience. on neuroanatomicans. e of neuronal corexplain how the	science, and all structures nmunication	



r		
Λt	memory.	
01	TITCTION Y.	

- 4. Evaluate the neurological basis of cognitive processes in everyday life such as object recognition.
- 5. Discuss the neural basis of attention , understanding neglect and balint's syndrome

Descriptors/Topics	CLO	Hours
UNIT I		
<b>Development of Neuroscience :</b> A Brief History of Cognitive Neuroscience, The Instruments of Neuroscience –Electroencephalograph, Measuring Blood Flow in the Brain, Computerized Axial Tomography, Positron Emission Tomography and Radioactive Tracers, MRI, fMRI,	CLO1	9
UNIT II		
<b>Neuroanatomy:</b> Structure and Functions of the Nervous System Structure of neurons, Neuronal signalling, Synaptic transmission, The Spinal Cord , Divisions of the Brain ,The Brain Stem ,The Cerebellum ,The Diencephalon, Subcortical Forebrain, The Telencephalon, The Cerebral Cortex, Hemispheric Specialization	CLO2	9
UNIT III		
<b>Neural Basis of Memory:</b> The Anatomy of Memory ,Memory Deficits: Amnesia,Medial Temporal Lobe Memory System, Memory Consolidation, Cellular Basis of Learning & Memory (Long-Term Potentiation)	CLO3	9
UNIT IV		
<b>Neural Basis of Object Recognition:</b> The Anatomy of Object Recognition, Multiple Pathways for Visual Perception, Apperceptive Agnosia, Integrative Agnosia, Associative Agnosia	CLO4	9
UNIT V		
<b>Neural Basis of Attention:</b> The Anatomy of Attention ,The Neuropsychology of Attention ,Neglect ,Neuropsychological Tests of Neglect , Extinction ,Comparing Neglect and Bálint's Syndrome	CLO5	9
Total Hours		45



#### **Textbooks:**

1. Gazzaniga, M. S., & Mangun, G. R. (Eds.). (2014). *The cognitive neurosciences* (5th ed.). Boston Review. <a href="https://doi.org/10.7551/mitpress/9504.001.0001">https://doi.org/10.7551/mitpress/9504.001.0001</a>

#### **Reference Books:**

1. Kolb, B., & Whishaw, I. Q. (2021). *Fundamentals of human neuropsychology* (Eighth edition). Worth Publishers/Macmillan Learning.

## Online Resources/E-Learning Resources

- 1. https://youtu.be/tm8Q0zoHd6w?si= 3R64LebjkgXWZmM
- 2. https://youtu.be/4Hm08ksPtMo?si=fW2o-A1-ef32MWty
- 3. https://youtu.be/QQx71Y6ug1Y?si=OL8O2Us9CHF7KxWg
- 4. <a href="https://youtu.be/lqP232HMPZA?si=wpCC71hLZo5nbIbE">https://youtu.be/lqP232HMPZA?si=wpCC71hLZo5nbIbE</a>



# COURSE CURRICULUM

Program: Psychlogy		Psychlogy ne Physiological		Semester:	Semester: 3		Level: UG	
						UBSCP202/MAJM		
		1.0						
Teaching	Scheme				Assessment S	ssessment Scheme		
Theory	Practical	Tutorial	Total Credits	Hours	CIA (Continuous Internal Assessment)	ESA (End Semester Assessment)	Practical/ Oral	
3	-	1	4	4	40	60	-	
Pre-Req	uisite:	FY B	SSc.					
Course I	garning Qui	gamas (CI)	O):	the bas  2. To psy  3. To exppsy responsive term observed hur  5. To observe psy	tives of Physiological Psychology are:  o recall key theories and concepts concernice mind/body relationship and the physiological asis of psychological processes.  o discuss the foundational principles sychopharmacology.  o recognize and categorize various theories the processes and somatic adaptical sponses, and compare and contrast the rengths and limitations.  o apply knowledge of physiological psychological physiological functions, such contrast the processes and somatic adaptical processes and somatic adaptical psychology and theories to explain here operable physiological functions, such contrast the processes and somatic adaptical physiological functions and physiological functions are physiological behavior and mental processes amans.  o analyze the interrelationships between the physiological physiological function are physiological behavior.			
Course L	earning Out	comes (CL	O):	Students we	ould be able to:			



1.	Identify key concepts and principles related to
	Psychopharmacology.

- 2. Explain the components, and function of the endocrine system.
- 3. Apply knowledge of physiological psychology to analyze the workings of the sensory systems that includes the visual system, auditory, somatosensory, gustatory and olfactory system.
- 4. Analyze the underlying physiological mechanism of the regulation of internal states.
- 5. Discuss the physicological mechanisms of reproductive behavior.

Descriptors/Topics	CLO	Hours
UNIT I		
The science of physiological psychology: Psychology and biology, Methods of research, Psychopharmacology, The principles of drug action ,Sites of drug action ,Psychoactive drugs ,Tolerance and dependence	CLO1	9
UNIT II		
The endocrine system: Hormones and their action, The pituitary gland	CLO2	9
The adrenal glands, The pancreas, The thyroid and parathyroid glands, The gonads, The other glands		
UNIT III		
<b>The Sensory System:</b> The visual system, Coding in the retina and lateral geniculate nucleus, Coding in the visual cortex, Two visual systems, The auditory system, Coding for pitch and timbre, The localization of sound, The somatosensory system Taste and smell: the chemical senses	CLO3	9
UNIT IV		
<b>Regulation of internal states:</b> Homeostasis, Thirst and drinking ,Eating Digestion, energy use and storage ,Physiological mechanisms in eating,Dietary choice and psychological factors	CLO3	9
UNIT V		
Reproductive behavior: Reproduction and sexual differentiation, Hormonal control of sexual behavior, Neural mechanisms in sexual behavior, Parental behavior	CLO5	9



Total Hours	45

# **Tutorial Plan:**

Tutorial No.	Unit	Topic/Theme	Tutorial Title	Activity Description	Duration
1	Unit I	Psychology & Biology	Research methods in physiological psychology	Review methods used in physiological psychology (e.g., case studies, experiments, brain imaging techniques) and present their findings.	1 hour
2	Unit I	Psychopharmacology	Drug Action Simulation	Students trace how a psychoactive drug (e.g., caffeine or antidepressant) acts from entry to effect.	1 hour
3	Unit I	Tolerance & Dependence	Addiction	Debate on "Are psychoactive drugs more beneficial or harmful to society?	1 hour
4	Unit II	Hormones & Endocrine Glands	Hormone Role Play	Enact roles of different glands and hormones, demonstrating their action in bodily processes.	1 hour
5	Unit II	Pituitary & Adrenal Glands	Endocrine Web Activity	Build a flowchart showing interactions between hypothalamus, pituitary, and adrenal glands under stress.	1 hour
6	11	Thyroid, Pancreas & Gonads	Case Study Discussion	Analyze cases involving hormonal imbalances (e.g., diabetes, thyroid disorder) and present solutions.	1 hour
7	Unit III	Visual System	Optic Pathway Mapping	Draw and label the visual pathway and explain the process of visual coding through discussion.	1 hour
8	Unit III	Auditory System	Sound Localization Challenge	Perform tasks involving sound cues to understand auditory spatial	1 hour



Tutorial No.	Unit	Topic/Theme	Tutorial Title	Activity Description	Duration
				processing and pitch perception.	
9	Unit III	Chemical Senses	Taste & Smell Experiment	Conduct a blindfolded experiment identifying tastes/smells, followed by discussion on receptors involved.	1 hour
10	Unit IV	Homeostasis & Thirst	Homeostasis Game	Simulate internal regulation (temperature, hydration) under different conditions and decision-making.	1 hour
11	Unit IV	Hunger & Digestion	Food Diary Analysis	Track food intake for a day and analyze in light of physiological hunger cues and digestion mechanisms.	1 hour
12	Unit IV	Eating Behavior	Psych Factors in Diet	Small group discussions on how emotions, culture, and cognition influence eating choices.	1 hour
13	Unit V	Sexual Differentiation	Gender Development Timeline	Create a visual timeline of hormonal and neural influences in sexual differentiation and puberty.	1 hour
14		Neural & Hormonal Mechanisms	Neuro- Endocrine Pathway Chart	Trace the pathway of hormonal influence on sexual behavior using diagrams and case scenarios.	1 hour
15	Unit V	Parental Behavior	Parenting Instinct Roleplay	Roleplay how hormonal and neural signals influence caregiving behaviors in humans/animals.	1 hour
					15 hours

## <u>Textbooks:</u>

1. Hayward, S. (1997). Biopsychology: Physiological Psychology. Red Globe Press.

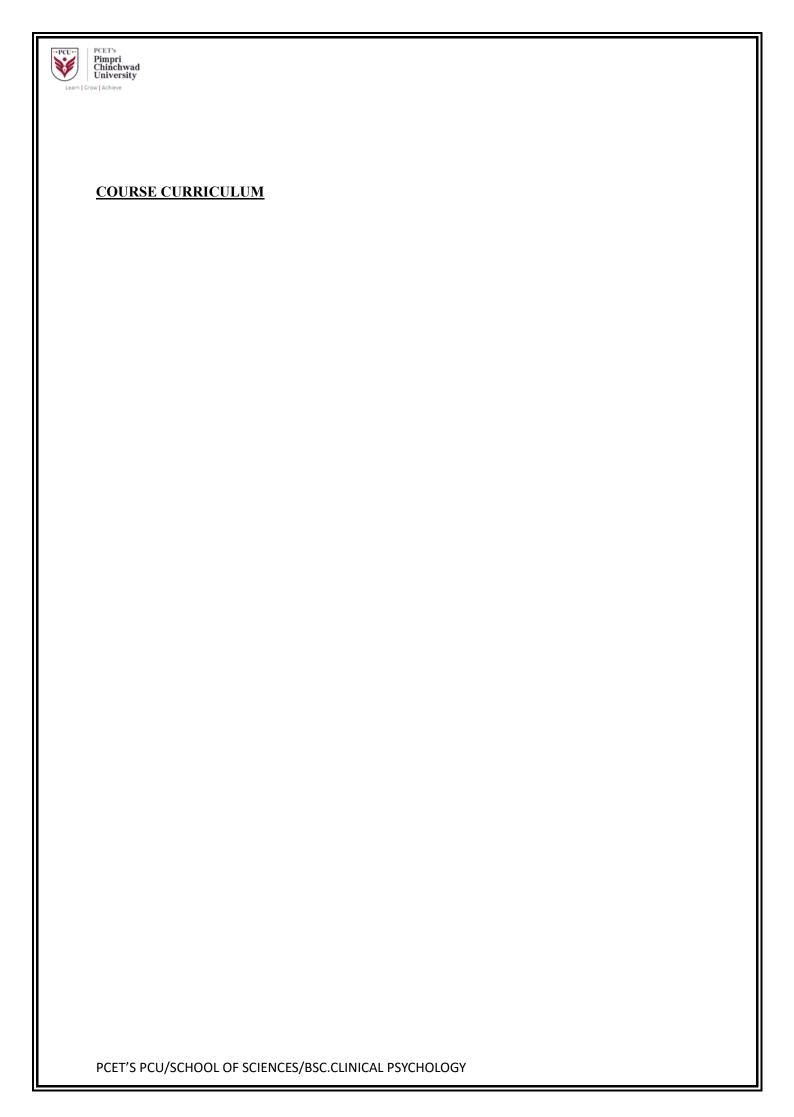
Reference Books:



1. Khosla, M. (2019). Physiological Psychology: An Introduction (Illustrated ed.). SAGE Publications.

## Online Resources/E-Learning Resources

- 1. <a href="https://youtu.be/sBQHOmoiJjs?si=sqZ1YNSt9XPvrEz9">https://youtu.be/sBQHOmoiJjs?si=sqZ1YNSt9XPvrEz9</a>
- 2. <a href="https://youtu.be/eTU7rYP8WnU?si=NvVgiFFxeoNAqpWL">https://youtu.be/eTU7rYP8WnU?si=NvVgiFFxeoNAqpWL</a>





Name of Progran		BSc CP		Semester	: 3	Level: UG	
Course 1	Name	Introduction to Psychopathology		Course Code/ Course Type		UBSCP203/ MAJM	
Course 1	Pattern	2024		Version		1.0	
Teaching	g Scheme			l	Assessment S	Scheme	
Theory	Practical	Tutorial	Total Credits	Hours CIA (Continuous Internal Assessment)		ESA (End Semester Assessment )	Practical/ Oral
3	-	-	3	3	40	60	-
Pre-Req	uisite: FY	BSc	l				
Course C	Objectives (C	CO):		The object	ives of Introduc	tion to Psychopatl	hology are:
						amental concepts vsfunctional behave	_
				2. To recognize the diverse factors that contribute to abnormal behavior and understand their significance through a multi-dimensional lens.			
				3. To apply analytical skills in identifying the causes and risk factors associated with abnormal behavior.			
				4. To analyze the complexities of abnormal behavior by dissecting its causes and manifestations.			
				tre	eatments for psyc	ectiveness of inter chological disorders, causes, and sym	ers based on
Course I	earning Out	tcomes (CL	O):	Students would be able to:			
					1. Identify fundamental concepts surrounding abnormality and dysfunctional behavior,.		
			al	2. Explain the diverse factors that contribute to abnormal behavior and understand their significance through a multi-dimensional lens,.			
				a: tł	ssociated with a	of the causes and abnormal behavious theoretical unders	or, allowing



4.	Ability to	analyze d	lata pe	rtai	ning to ab	normal
	behavior,	enabling	them	to	critically	assess
	research fi	ndings and	d clinic	cal c	observation	ıs.

5. Evaluate the effectiveness of interventions and treatments for psychological disorders based on their manifestations, causes, and symptoms, facilitating informed decision-making in therapeutic and clinical settings.

## **Course Contents/Syllabus:**

Descriptors/Topics	CLO	Hours
UNIT I		
Introduction to Abnormal Psychology: Definition of Abnormality,	CLO 1	09
Dysfunction and disorders, History of psychopathology, Causes and Risk Factors for Abnormal Behavior.		
UNIT II		
<b>Stress, Anxiety:</b> Stress- causes and symptoms, Social Anxiety Disorder, Generalized Anxiety Disorder, Criteria for Generalized Anxiety Disorder, Comorbidity with Other Disorders,	CLO 2	09
UNIT III		
<b>Phobias :</b> Specific Phobias, Criteria for Social Anxiety Disorder (Social Phobia), Panic Disorder, Criteria for Panic Disorders, Agoraphobia,	CLO 3	09
UNIT IV		
<b>Mood Disorders:</b> Types of Mood Disorders, Criteria for Major Depressive Disorder, Depressive disorders, Bipolar (I and II) and related Disorders, Criteria for Manic Episode, Cyclothymic Disorder	CLO 4	09
UNIT V		
<b>Disorders of Childhood:</b> ADHD, Criteria for Attention-Deficit/Hyperactivity Disorder, Disruptive, Impulse-control and Conduct Disorder, Learning Disabilities, Intellectual Developmental Disorder, Autism Spectrum Disorder, Anxiety Disorders of Childhood, Criteria for Separation Anxiety Disorder.	CLO 5	09
Total Hours		45



## Textbooks:

- 1. Abnormal Psychology 12th edition Ann M. Kring University of California, Berkeley Sheri L. Johnson University of California, Berkeley
- 2. Abnormal Psychology 16<sup>th</sup> edition James N. Butcher University of Minnesota Jill M. Hooley Harvard University Susan Mineka Northwestern University.
- 3. Kring, A. M., Johnson, S. L., Davison, G. C., & Neale, J. M. (2012). Abnormal Psychology (Illustrated ed.). Wiley.
- 4. Hooley, J. M., Butcher, J. N., Nock, M. K., & Mineka, S. (2017). Abnormal Psychology (17th ed., Global edition)

## Reference Books:

- 1. Barlow, D. H., & Durand, V. M. (2012). Abnormal Psychology: An Integrative Approach (6th ed.).
- 2. Morrison, J. (2022). DSM-5® made Easy: The Clinician's Guide to Diagnosis.
- 3. American Psychiatric Association. (2013). Diagnostic and Statistical Manual of Mental Disorders (5th ed.)

#### Online Resources/E-Learning Resources:

- 1. <a href="https://opentext.wsu.edu/abnormal-psych/wp-content/uploads/sites/41/2018/05/Fundamentals-of-Psychological-Disorders-3rd-edition-5TR-version-3.5.pdf">https://opentext.wsu.edu/abnormal-psych/wp-content/uploads/sites/41/2018/05/Fundamentals-of-Psychological-Disorders-3rd-edition-5TR-version-3.5.pdf</a>
- 2. <a href="https://bawar.net/data0/books/59f2f2e3bab78/pdf/Abnormal%20Psychology,%207th%20Edition.pdf">https://bawar.net/data0/books/59f2f2e3bab78/pdf/Abnormal%20Psychology,%207th%20Edition.pdf</a>



Name of the Program:  Course Name Introduction Biostatistic		BSc CP				Sei	Semester: 3			Level: UG	
					Course Code/ Course Type			UBSCP204			
Course Pattern 2023					Version			01			
Teaching Scheme					<u> </u>	Assessment Sch	eme				
Theory	Practic	al	Tutoria	ıl	Total Credits	Hrs	CIA (Continuous Internal Assessment)	ESA (E Semest Assessi	er	Practical/Oral	
02	-		-		02	02	20	30		-	
Pre-Req	uisite: F	YBS	с.								
				<u> </u>	<ol> <li>To res</li> <li>To app</li> <li>To app</li> <li>To pul</li> </ol>	recognical apply the arch standyzed by evaluate design blic hear	e data to understande e statistical data in descriptive technical lth data.	n different iostatistics d which bi	in to desi	ign and conduct	
Course I	es (CLO	):		Stu	health 2. Apply 3. public 4. Demo 5. Explai	rstand t basic st health a nstrate n prope	he roles biostatisti	of central tes ion technic on of prob	tendency of ques to ge pability dis	commonly used in	



Descriptors/Topics	CLO	Hours
UNIT I		
Introduction to Statistics: meaning and definitions, Methods of data collection, Frequency distribution, Methods of frequency distribution – Inclusive and exclusive methods.	CLO 1	06
UNIT II		
Measures of Central Tendency: Definitions, Measures of central tendency; meaning, Arithmetic mean- Harmonic mean- weighted mean, Case studies	CLO 2	06
UNIT III		
<b>Dispersion:</b> Measures of dispersion: meaning, standard deviation, standard error of mean, variance and coefficient of variation, Case studies.	CLO 3	06
UNIT IV		
<b>Probability Distributions:</b> Theoretical distributions – Binomial, Poisson and Normal distributions (without proof) – properties and applications of the above distributions, Case studies.	CLO 4	06
UNIT V		
<b>Sampling theory:</b> Definition and concept of Sampling: Different sampling schemes/plans simple random sampling, stratified random sampling cluster sampling, multi-stage sampling.	CLO 5	06
Total Hours		30

## Textbooks:

- Kothari C.R, "Research Methodology: Methods & Techniques". 2nd Revised Edition, New Age International Publishers, New Delhi, 2009.
- Veer Bala Rastogi Fundamentals of Biostatistics, 2nd Edition, VB Publisher, 2009

## Reference Books:

- Arora et al., Comprehensive Statistical Methods. 2nd Edition, S. Chand, 2007.
- Wayne Daniel, Biostatistics: A foundation for Analysis in the Health Sciences, 8th Edition, Wiley, 2004.

#### Online Resources/E-Learning Resources

 $\underline{https://biostat.duke.edu/research/berd-methods-core/learning-and-training/biostatistics-resources-non-statisticians}$ 



## **COURSE CURRICULUM**

Name of the Program: Course Name		Psychology		Semester :	3	Level: UG		
				Course Co Type	de/ Course	UBSCP205/ OE		
Course 1	Pattern	2023		Version		1.0 heme		
Teaching Scheme			1	Assessment S	Scheme			
Theory	Practical	Tutorial	Total Credits	Hours	CIA (Continuous Internal Assessment)	ESA (End Semester Assessment )	Practical/ Oral	
2	-	-	2	2	50	-	-	
Pre-Req	uisite:	None			<u> </u>		<u> </u>	
				con 2. To a soci abil sha 3. To e inec soci 4. To c aim and 5. To c equ poli	texts, and theore inalyze the inter- ial identities such ity, and understate pe experiences of examine the important on individual feties, both dominated at promoting assess their effectultivate skills for ality and equity	eir definitions, his etical frameworks sections of gender as race, class, seemed how these into finequality. acts of gender inequality and globe policies, laws, are gender equality ectiveness and limit advocating for gin various contex sizations, and every and every sections.	s. Ir with other exuality, and ersections equality and ally. Ind practices and equity, and ender ts, including	
Course I	earning Out	tcomes (CL	O):	1. De ger rel: 2. Ide int	nder, sex, sexua ated to gender. entify and analyz	atiate between the l orientation and l te gender stereoty gender with sex,	xey terms	



3.	Critically assess the sources of gender bias,
	prejudice and gender disparity and understand
	the concept of gender equity

- 4. Analyze feminism and the women's movement in India and the world and understand the concept of Gender Equality.
- 5. Evaluate the effectiveness of policies and interventions designed to address gender inequality and promote equity.

Descriptors/Topics	CLO	Hours
UNIT I		
<b>Introduction</b> : Understanding the <b>concept</b> of Gender, difference between gender, sex, sexual orientation, Terms related to gender- gender blind, gender awareness, gender analysis, gender balance, gender roles, gender norms,	CLO1	6
UNIT II		
Gender stereotypes- institutional /systematic influences on gender stereotypes, Intersectionality with Sex, Race, Class, Age, Disability, Diversity.Gender gap and patterns of gender inequality	CLO2	6
UNIT III		
<b>Gender Equity:</b> Sources of Gender Bias and Prejudice, Causes of Gender Disparity, Gender Equity in Education, Gender Equity at the workplace(creating equal opportunities)	CLO3	6
UNIT IV		
<b>Gender Equality:</b> Feminism and the Women's movement in India and the world, Relationship Between Social Movements for gender rights, queer rights, disability rights, anti-caste, and anti-race movements	CLO4	6
UNIT V		
Legal and Political frameworks for Gender equality and Equity: International and National Policies and Laws (major ones), Institutional Mechanisms, UGC mandate	CLO5	6
Total Hours		30



## **Textbooks:**

1. Psychology and Gender: An Introduction, Sage International Publications,

2021- Dr Sadhana Natu

3. Gender Studies and Women's Studies Readers- Mary John Edited Volume,

2008

## **Reference Books:**

 Psychology and Gender: An Advanced Reader, Routledge International Publications, 2023- Dr Sadhana Natu

## **Online Resources/E-Learning Resources:**

1.https://youtu.be/9EBkS2kE7uk?feature=shared

2.https://youtu.be/MIXZyNtaoDM?feature=shared



Name of Program	-	BSc ND		Seme	ster : 2	Level: UG		
Course N	Name	Growth Monitoring and Health Policies		Course Code/ Course Type		UBSND 204/OE		
Course I	Pattern	2024		Version	on	1.0		
Teaching	Scheme		Assessment Scheme					
Theory	Practical	Tutorial	Total Credits	Hou rs	CIA (Continuous Internal Assessment)	ESA (End Semester Assessment )	Practical/Oral	
2	-	-	2	2	50		-	
Pre-Req	uisite:	l		l .	1	•	1	
Course (	Objectives (	(CO):		The o	•	owth Monitoring	g and Health	
					epidemiology, pr	uld have the know evention, control c health importan	& management of	
					-	l relevant public l blic health impor		
					duties effectively	ould be able to di in an administra on such as Munic	tive capacity in a	
					To be able to pla health services	nn, implement & e	evaluate school	
					To be able to plate related to Occupa	•	evaluate programs	
Course Learning Outcomes (CLO):			Students would be able to:					
					•	trative skills esser ealth establishmer		
					Conduct epidemidiseases during e	iological investiga	ation of various	
				1	slaughter house, ports & airport, r	a for sanitation of eateries, sewage t milk dairies and b mend corrections.	e in position to	
				4.	Plan, implement	& evaluate school	ol health services	



5. Plan, implement & evaluate programs related to Occupational Health.

## **Course Contents/Syllabus:**

(All the units carry equal weightage in Summative Assessment and equal engagement)

Descriptors/Topics	CLO	Hours
UNIT I		
Prevention of diseases in the community, health situation- past & present, History of public health, Place & role of preventive medicine in development of social medicine, community health, community medicine.	CLO 1	6
UNIT II		
Health, Changing concepts ,Definition, Dimensions, Concepts of wellbeing, PQLI, HDI, Spectrum of Health, Determinants of Health, Rights & responsibilities, Indicators of health, Mortality, Morbidity, Disability, Others Health care system Characteristics, Levels, Primary Health Care	CLO 2	6
UNIT III		
Disease, Concept, Natural history of some common diseases	CLO3	6
UNIT IV		
Nutritional problems, LBW, PEM, Xerophthamia, Nutritional anaemia, IDD, Endemic flurosis	CLO4	6
UNIT V		
National Nutrition Policy & Programs, Applied aspects of nutrition (dietetics), Reproductive & Child Health (RCH)	CLO5	6
Total Hours		30

## **Learning resources**

## **Text Reading:**

- 1. Judith E. Brown, 2016, Nutrition Through the lifecycle (6th Edition). Wadsworth Publishing house
- 2. Judith Sharlin and Sari Edelstein, 2010. Essentials of Life Cycle Nutrition. Jones and Bartlett Learning.



#### **References:**

- 1. Public Health at the Crossroads Achievements and Prospects. Robert Beaglehole and Ruth Bonita 2nd Edition Cambridge University Press
- 2. Maxcy-Rosenau-Last Public Health & Preventive Medicine, Fourteenth Edition Ed Robert Wallace, MD, et al.
- 3. Epidemiology and Management for Health Care: Sathe, et al. Popular Prakashan, Mumbai,
- 4. International Public Health: Diseases, Programs, Systems, and Policies by Michael Merson, Robert E Black, Anne J Mills Jones and Bartlett Publishers. 7) Preventive and Social Medicine, K Park, BansaridasBhanot Publishing House

## Online Resources/E-Learning Resources

https://vikaspedia.in/health/child-health/growth-and-development/monitoring-growth-and-development



## **COURSE CURRICULUM**

Name of the Program: Course Name		e B.Tech/B.B.A/B.C. A/B.Sc/B.Pham		Semester:	3	Level: UG	
		Understa Harmony	_	Course Co Type	de/ Course	ACUHV201/AC	
Course	Pattern	2023		Version		1.0	
Teaching Scheme Assessment Scheme				Scheme			
Theory	Theory Practical		Total Credits	Hours	CIA (Continuous Internal Assessment)	ESA (End Semester Assessment )	Practical/ Oral
2	-	-	2	2	50	-	-
Pre-Req	uisite:	L				L	
				per the nat  2. To in nat  3. To  4. To act  5. To Har	spective based mselves (human ure/existence. comprehend (or the human bure/existence strengthen self-infuse a sense of understand rmony on Profes	f commitment an	ation about society and the harmony society and d courage to
Course I	Learning Out	comes (CL	O):	<ol> <li>Analy human</li> <li>Apply of Pro</li> <li>Analy</li> </ol>	n being  correct appraises  sperity in detail	ortant requirement al of Physical nees in relationship, Prestige.	eds, meaning



4.	Develop holistic perception of harmony at all levels of existence
5.	Apply the Holistic Understanding of Harmony on Professional Ethics

Descriptors/Topics	CLO	Hours
UNIT I		
Course Introduction - Need, Basic Guidelines, Content and Process for Value Education Purpose and motivation for the course, recapitulation from Universal Human Values-I, Self-Exploration—what is it? - Its content and process; Personality Traits- Self Excellence, "Natural Acceptance" and Experiential Validation—as the process for self-exploration, Adaptability, Belief and Understanding—Self discipline,  Continuous Happiness and Prosperity—A look at basic Human Aspirations, Right understanding, Relationship and Physical Facility—the basic requirements for fulfilment of aspirations of every human being with their correct priority, Understanding Happiness and Prosperity correctly—A critical appraisal of the current scenario, Method to fulfil the above human aspirations: understanding and living in harmony at various levels.	CLO 1	8
UNIT II		
Understanding Harmony in the Human Being - Harmony in Myself: Understanding human being as a co-existence of the sentient "I" and the material "Body", Understanding the needs of Self ("I") and "Body" - happiness and physical facility, Understanding the Body as an instrument of "I" (I being the doer, seer and enjoyer)- Habits and Hobbies, SWOT Analysis (Activity) "Understanding the characteristics and activities of "I" and harmony in "I" – Dalai Lamas" Tibetan Personality Test – Dr. Menninger"s Psychometric Test., Understanding the harmony of I with the Body: Sanyam and Health; correct appraisal of Physical needs, meaning of Prosperity in detail	CLO 2	5
UNIT III		
Understanding Harmony in the Family and Society- Harmony in Human-Human Relationship: Understanding values in human-human relationship; meaning of Justice (nine universal values in relationships) and program for its fulfilment to ensure mutual happiness; Trust and Respect as the foundational values of relationship, Understanding the meaning of Trust; Difference between intention and competence, Understanding the meaning of Respect, Difference between respect and	CLO 3	5



differentiation; the other salient values in relationship, Friends and Foes, Empathy, False Prestige.		
UNIT IV		
Understanding Harmony in the Nature and Existence - Whole existence as Coexistence: Understanding the harmony in the Nature and its Equanimity, Respect for all, Nature as Teacher, Interconnectedness and mutual fulfillment among the four orders of nature- recyclability and self-regulation in nature, Understanding Existence as Co-existence of mutually interacting units in all- pervasive space, Holistic perception of harmony at all levels of existence.	CLO 4	5
UNIT V		
Implications of the above Holistic Understanding of Harmony on Professional Ethics: Natural acceptance of human values, Definitiveness of Ethical Human Conduct, Basis for Humanistic Education, Humanistic Constitution and Humanistic Universal Order, Vision for the Holistic alternatives, UHVs for entrepreneurship	CLO 5	7
Total Hours		30

## Textbooks:

- 1. Human Values and Professional Ethics by R R Gaur, R Sangal, G P Bagaria, Excel Books, New Delhi, 2010
- 2. Jeevan Vidya: Ek Parichaya, A Nagaraj, Jeevan Vidya Prakashan, Amarkantak, 1999.
- 3. Human Values, A.N. Tripathi, New Age Intl. Publishers, New Delhi, 2004.

## Reference Books:

- 1. The Story of Stuff (Book).
- 2. The Story of My Experiments with Truth by Mohandas Karamchand Gandhi
- 3. Small is Beautiful E. F Schumacher
- 4. Slow is Beautiful Cecile Andrews



## Online Resources/E-Learning Resources

- 1. 1. <a href="https://www.studocu.com/in/document/jss-science-and-technology-university/human-values/uhv-handout-2-harmony-in-the-human-being/">https://www.studocu.com/in/document/jss-science-and-technology-university/human-values/uhv-handout-2-harmony-in-the-human-being/</a>
- 2. https://vvce.ac.in/wp-content/uploads/2021/04/Realising-Aspirations-of-NEP2020-UHV.pdf
- 3. <a href="https://vemu.org/uploads/lecture\_notes/22\_12\_2022\_1850871704.pdf">https://vemu.org/uploads/lecture\_notes/22\_12\_2022\_1850871704.pdf</a>

#### **CIA Guidelines**

Online Quiz (Based on MCQ)- 20 marks

Activity (with short Report Submission) - 20 Marks

Academic Sincerity - 10 marks

Few of suggested activities are Assignments, Debates, Poster presentations, Model making, Group presentation, Field visits and Group Discussions.

Few of suggested topics related to UHVII-Understand Harmony are:

#### **Debate Topics**

- Materialistic things make you happy
- Happiness in individualism and family
- Spirituality vs Materialistic
- Satisfaction of Body and self (Soul)

#### Assignment

Students maintain a reflective account of the times they felt happy and prosperous and the causes of that happiness and prosperity for them.

References:

#### https://www.aicte-

india.org/sites/default/files/Model\_Curriculum/Minor%20Degree%20in%20Universal%20Human%20 Values%20(UHV).pdf

https://uhv.org.in/

https://vvce.ac.in/wp-content/uploads/2021/04/Realising-Aspirations-of-NEP2020-UHV.pdf

PCET'S PCU/SCHOOL OF SCIENCES/BSC.CLINICAL PSYCHOLOGY



## **COURSE CURRICULUM**

Pattern g Scheme	Course N	Foreign Language		Semester :	3	Level: UG/PG		
g Scheme	Course Name		<b>A1.1</b>	Course Co Type	de/ Course	UFL201A/AEC	,	
	Course I	2023		Version		1.0		
1	Teaching			1	Assessment S	cheme		
Practical	Theory	Tutorial	Total Credits	Hours	CIA (Continuous Internal Assessment)	ESA (End Semester Assessment )	Practical/ Oral	
-	2	-	-	2	50	-	-	
uisite:	Pre-Req		l	1	1	<u> </u>	I	
Objectives (C	Course C	CO):		1. To 2. To 3. To con 4. To	understand the rapply the basic ncepts.	words and their s new concepts. vocab and gramn		
Course Learning Outcomes (CLO):				1. Sp. 2. Ca	ell simple words n understand eve	eryday expression		
001	Course L	iing Out	ning Outcomes (CL)	ning Outcomes (CLO):	1. Spo 2. Ca	<ol> <li>Spell simple words</li> <li>Can understand even</li> </ol>	<ol> <li>Spell simple words in German</li> <li>Can understand everyday expression</li> </ol>	



Descriptors/Topics	CLO	Hours
UNIT I		
Guten Tag	CLO 1	6
Speak about yourself and others, Speak about Countries and Languages		
Grammar – Sentence formation and verbs usage		
UNIT II		
Freunde, Kollegen und Ich	CLO 2	6
Speak about your Hobbys, To fix a meeting, Speak about work and Profession, To creat a profile on Internet		
Grammar – How to use 'The' in german, Singular and plural forms of Nouns		
UNIT III		
In der Stadt	CLO3	6
To get to know about Cities and Places, how to find way and understand directions, learn international words		
Grammar – Negations (how to use NO in german),		
Definite articles, indefinite articles		
UNIT IV		
Guten Appetit	CLO4	6
To speak about food and food habits, to have a discussion about shopping		
Grammar – introduction of cases		
UNIT V		
Tag für Tag & Zeit mit Freunden	CLO5	6
Clock timings, To speak about family and friends, Daily routine To speak about free time activity, to understand the specific information from the text, to order and to pay in a restaurant		
Grammar – Possessivarticle, Modalverbs, use of on,at,fromtill, Seprable verbs and past tence		
Total Hours		30



## Textbooks:

- 1. Netzwerk A1, Ernst klett Verlag & Goyal Publishers & Distributors Pvt. Ltd.
- 2. Studio d A1, Cornelesen Verlag & Goyal Publishers & Distributors Pvt. Ltd.
- 3. Netzwerk Neu A1, Ernst klett Verlag & Goyal Publishers & Distributors Pvt. Ltd

## Reference Books:

- 1. Hallo Deutsch A1, Ernst Klett Verlag, Goyal Publishers & Distributors Pvt. Ltd
- 2. Themen Aktuell 1, Hueber verlag
- 3. Maximal Ernst klett Verlag & Goyal Publishers & Distributors Pvt. Ltd.

## Online Resources/E-Learning Resources:

 $1. Youtube: \underline{https://youtube.com/@LearnGermanwithAnja?si=BkJYDPi7TS0fT4lr}\\$ 

https://youtube.com/@deutschlernenmitheidi?si=TkICIabzioaU0roZ

2. Instagram: instagram.com/learngermanwithanja



Name of Progran		BSc Clini Psycholog		Semester:	3	Level: UG		
	Course Name		Field Project - CP		Course Code/ Course Type		UBSCP205/ OE	
Course 1	Pattern	2025		Version		1.0		
Teaching	g Scheme			•	As	sessment Schem	ie	
Theory	Practical	Tutorial	Total Credits	Hours	CIA (Continuous Internal Assessment)	ESA (End Semester Assessment )	Practical/ Oral	
			4	6	50		50	
Pre-Req	uisite:	None				-		
Course C	Depertives (Control of the Control o	CO):	O):	1. To thir dynnee 2. To asso ana approximate too nee 4. To imprinte pro 5. To exprep for gro  Students we 1. Object of the context of the con	aking in assessing amics, with an ds and areas for develop foundariessment skills, in lyses, stakehold propriate tools to amunity needs. develop foundaries, including of the control of t	al observation and ing institutional or aim to identify per improvement. It is improvement, and including conduct der interviews, and or understand individual or in designing, plantext-sensitive personal and individual or in	d ing SWOT d using vidual or d assessment of analyses, appropriate community anning, and sychological eventive and cument field h structured practice to professional of Analyis ventions. by phase.	



## **Practical Plan**

Practica	Week	Details	CLO	Hours
l Number	Numb			
1	er Week1	Understanding Organizational Dynamics:	CLO1	6
1	MEEKI	Onderstanding Organizational Dynamics.	CLOI	0
		Familiarize students with the structure, function, and operational processes of the organization.		
		Obervation: Observe interactions between stakeholders		
2	Week 2	A comprehensive organizational report detailing the psychological and social dynamics.	CLO 1	6
		Awareness of how psychology is applied (or lacking) in real-world settings.mployees, beneficiaries, etc.).		
3	Week 3	Establishing Professional Relationships (Rapport Building Phase)	CLO 2	6
		Engage with staff, beneficiaries, and stakeholders through formal and informal interactions.		
		Develop trust and professional relationships to facilitate smooth collaboration.		
		Understand ethical considerations in fieldwork.		
4	Week 4	Conducting Needs Assessment & SWOT Analysis	CLO 3	6
		Use qualitative and quantitative tools (interviews, surveys, observation) to assess needs.		
5	Week 5	Conducting Needs Assessment & SWOT Analysis	CLO3	6
		Perform a SWOT (Strengths, Weaknesses, Opportunities, and Threats) analysis of the organization's psychological support framework.		
6	Week 6	Conducting Needs Assessment & SWOT Analysis	CLO 3	6
		Identify gaps where psychological principles and interventions could be useful		
7	Week7	Designing Strategies & Psychological Interventions	CLO4	
		Develop action plans tailored to the organization's needs based on psychological theories. Consider		



		feasibility, ethical concerns, and sustainability of proposed strategies.		
8	Week 8	Designing Strategies & Psychological Interventions  Design interventions (counseling strategies, awareness programs, skill-building workshops, etc.).	CLO 4	6
9	Week 9	Designing Strategies & Psychological Interventions  Design interventions (counseling strategies, awareness programs, skill-building workshops, etc.).	CLO 4	6
10	Week 10	Implementation of Strategies & Interventions  Execute intervention strategies through workshops, training, or direct services.	CLO 4	6
11	Week 11	Implementation of Strategies & Interventions  Apply counseling, behavior modification, psychoeducation, or therapeutic techniques as needed.	CLO 4	6
12	Week 12	Implementation of Strategies & Interventions  Apply counseling, behavior modification, psychoeducation, or therapeutic techniques as needed.	CLO 4	6
13	Week 13,	Documentation & 360-Degree Feedback Mechanisms  Document experiences, intervention processes, and findings in a structured report.	CLO 5	6
14	Week 14	Documentation & 360-Degree Feedback Mechanisms  Conduct 360-degree feedback, gathering insights from peers, mentors, and beneficiaries.  Reflect on personal growth, challenges faced, and areas for improvement.	CLO5	6
15	Week 15	A detailed final project report including self- reflection, case studies, and impact assessment.	CLO 5	6
		Total Hours		90



# **SEMESTER - IV**

# **COURSE STRUCTURE**

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Name of Program		BSc Clinical Psychology  Advancement and Scope of Behavioral Neuroscience		Semester : 4  Course Code/ Course Type		Level: UG	
Course I	Name					UBSCP207//M.	AJM
Course l	Pattern	2023		Version		1.0	
Teaching	g Scheme	l		<u> </u>	Assessment S	cheme	
Theory	Practical	Tutorial	Total Credits	Hours	CIA (Continuous Internal Assessment)	ESA (End Semester Assessment )	Practical/ Oral
2	-	1	3	3	40	60	-
Pre-Req	uisite:	Prii	iciples of F	Behavioral N	euroscience		
Course C	Objectives (C	30):		Behavioral  1. To of core em  2. To net em und hur  3. To to a suc dis me  4. To evi  5. To	Neuroscience) a recall the foundabehavioral neuropts related to otions, and social recognize the neural networks invotional regulation derstand how the man behavior an apply knowledge analyze and interest and inte	ational principles euroscience, inceptational principles euroscience, inceptation.  The neural basis all cognition.  The euroanatomical strolved in language on, and social cognition, and social cognition.  The of behavioral repret neurocognition er's disease and and their under the findings and oral neuroscience oneural systems	and theories luding key of language, ructures and e processing, gnition, and ontribute to neuroscience ive disorders d language lying neural d empirical
Course L	earning Out	tcomes (CL	O):	Students w	ould be able to:		



- 1. Identify key advancements and breakthroughs in the field of neuroscience, particularly in understanding the neural basis of language.
- 2. Explain the neural mechanisms underlying, emotional processing and its regulation.
- 3. Explain the neural mechanism of Social Cognition and Cognitive Control.
- 4. Apply knowledge of advancements in behavioral neuroscience to analyze and interpret neurocognitive disorders such as Alzheimer's disease and language disorders, integrating information on their etiology, symptomatology, and neural correlates.
- 5. Analyze data from research studies in neuroscience to explore new advances in research methods and new treatments for various neurocognitive disorder.

Descriptors/Topics	CLO	Hours
UNIT I		
Neural Basis of Language: The Anatomy of Language Brain Damage and Language Deficits, Broca's Aphasia, Wernicke's Aphasia Conduction Aphasia, The Fundamentals of Language in the Human Brain: Words and the Representation of Their Meaning, Models of the Mental Lexicon, Neural Substrates of the Mental Lexicon, The Role of Context in Word Recognition	CLO1	6
UNIT II		
Neural Basis of Emotions: Neural Systems Involved in Emotion Processing ,Early Concepts: The Limbic System as the Emotional Brain , LeDoux's High Road and Low Road ,The Amygdala ,Interactions Between Emotion and Other Cognitive Processes The Influence of Emotion on Learning ,Emotion and Decision Making Emotion and Social Stimuli	CLO2	6
UNIT III		



<b>Social Cognition:</b> Anatomical Substrates of Social Cognition, The Anatomy Behind Cognitive Control, Subdivisions of the Frontal Lobes Networks Underlying Cognitive Control Cognitive Control Deficits	CLO3	6
UNIT IV		
Neurocognitive Disorders: Perspectives on Neurocognitive Disorders  Delirium ,Major and Mild Neurocognitive Disorders ,Neurocognitive Disorder Due to Alzheimer's Disease ,Vascular Neurocognitive Disorder  Other Medical Conditions That Cause Neurocognitive Disorder / Substance/Medication-Induced Neurocognitive Disorder	CLO4	6
UNIT V		
Advancements in Neuroscience: Research / empirical evidence on treatments for disorders, new research methods etc	CLO5	6
Total Hours		30

## Textbooks:

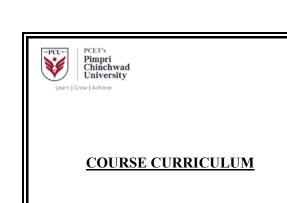
1. Gazzaniga, M. S., & Mangun, G. R. (Eds.). (2014). *The cognitive neurosciences* (5th ed.). Boston Review. https://doi.org/10.7551/mitpress/9504.001.0001

## Reference Books:

1. Kolb, B., & Whishaw, I. Q. (2021). *Fundamentals of human neuropsychology* (Eighth edition). Worth Publishers/Macmillan Learning.

## Online Resources/E-Learning Resources

- 1. <a href="https://youtu.be/NRt0GLVNmU4?si=GZtsRwKwUon2op5B">https://youtu.be/NRt0GLVNmU4?si=GZtsRwKwUon2op5B</a>
- 2. <a href="https://youtu.be/RoQf7tu-zjI?si=EWv9326EJi3kh250">https://youtu.be/RoQf7tu-zjI?si=EWv9326EJi3kh250</a>
- 3. <a href="https://youtu.be/7aUArHI9I48?si=9zYFxEUmck3DJzJo">https://youtu.be/7aUArHI9I48?si=9zYFxEUmck3DJzJo</a>



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Name of the Program:			Semester :	4	Level: UG  UBSCP208/  MAJM		
Course Name			Course Co Type	de/ Course			
Course Pattern 2023		Version		1.0			
Teaching Scheme			1	Assessment S	cheme		
Theory Practical	Tutorial	Total Credits	Hours	CIA (Continuous Internal Assessment)	ESA (End Semester Assessment )	Practical/ Oral	
3 -	1	4	4	40	60	-	
Pre-Requisite: F	Y BSc	L					
Course Learning Ou		·):	1. Rec cha 2. Rec disc crit 3. Ap sce cor 4. An fan cul 5. Eva cor Students w 1. Ide ass 2. Exp me ma 3. Ap and	call diagnostic tracteristics of macteristics of macognize patternorders based of the control of	as and differention symptoms, et all knowledge to the sorders' impact on ety, considering to effectiveness arous mental dis	iate mental iology, and to real-life and treatment individuals, stigma and and ethical orders.  ostic criteria al disorders. and possible opment and ders	



4.	Analyze data from case studies, research studies, and clinical observations to evaluate the effectiveness of different treatment modalities
5.	Analyze the causes, symptoms, and distinguishing features of various personality disorders

Descriptors/Topics	CLO	Hours
UNIT I		
Obsessive-Compulsive-Related and Trauma-Related Disorders: OCD, Posttraumatic Stress Disorder, Anxiety, Fear, and Panic, Panic Disorder and Agoraphobia, Specific Phobia, Hoarding Disorder, Trichotillomania (Hair Pulling Disorder) and Excoriation (Skin Picking Disorder).	CLO 1	09
UNIT II		
Sleep-Wake Disorders: introduction to sleep disorders, causes and symptoms, Insomnia Disorder, Hyper somnolence Disorders	CLO 2	09
UNIT III		
Dissociative Disorders: Depersonalization-Derealization Disorder, Dissociative Amnesia, Dissociative Identity Disorder	CLO 3	09
UNIT IV		
<b>Sexual Disorders:</b> Causes and Symptoms, types of Sexual Disorders, Gender identity disorders, Sexual dysfunctions	CLO 4	09
UNIT V		
Personality Disorders: Causes and Symptoms, Obsessive-Compulsive Personality Disorder, Narcissistic Personality Disorder ,Schizotypal Personality Disorder ,Avoidant Personality Disorder, Antisocial Personality Disorder, Psychopathy Borderline Personality Disorder	CLO 5	09
Total Hours	1 C	45



### **Textbooks:**

- 1.Kring, A. M., Johnson, S. L., Davison, G. C., & Neale, J. M. (2012). Abnormal Psychology (Illustrated ed.). Wiley.
- 2. Hooley, J. M., Butcher, J. N., Nock, M. K., & Mineka, S. (2017). Abnormal Psychology (17th ed., Global edition)

### **Reference Books:**

- 1. Barlow, D. H., & Durand, V. M. (2012). Abnormal Psychology: An Integrative Approach (6th ed.). Top of Form
- 2. Morrison, J. (2022). DSM-5® Made Easy: The Clinician's Guide to Diagnosis.
- 3. American Psychiatric Association. (2013). Diagnostic and Statistical Manual of Mental Disorders (5th ed.)

#### Online Resources/E-Learning Resources

- $1. \quad https://opentext.wsu.edu/abnormal-psych/wp-content/uploads/sites/41/2018/05/Fundamentals-of-content/uploads/sites/41/2018/05/Fun$
- 2. Psychological-Disorders-3rd-edition-5TR-version-3.5.pdf
- 3. <a href="https://bawar.net/data0/books/59f2f2e3bab78/pdf/Abnormal%20Psychology,%207th%20Edition.pdf">https://bawar.net/data0/books/59f2f2e3bab78/pdf/Abnormal%20Psychology,%207th%20Edition.pdf</a>



# **COURSE CURRICULUM**

Name of Progran		BSc C	P	Semest	Semester : 4		Level: UG		
Course Name  Experimental Psychology - Lab  Course Pattern  Teaching Scheme		Course Type	Code	/ Course	UBSCP209/ MAJM				
		Version			1.0				
		version	l		1.0				
Teaching	g Scheme					Ass	essment Scheme	2	
Theory	Practical	Tuto rial	Total Credits	Hours		CIA (Continuou s Internal Assessment )	ESA (End Semester Assessment )	Practical/ Oral	
-	2	-	2	4		25	-	25	
Pre-Req	uisite: I	FY BSc							
Course	Objectives (C	.0):		1. 2. 3.	cognitive processes.				
Course I	earning Ou	tcomes (	(CLO):	1.	and practical significance.  Its would be able to:  Identify various perceptual illusions and cognitive phenomena.  Explain the underlying principles and theoretical frameworks associated with various perceptual processes.				



3. Apply their knowledge of perceptual processes, cognitive functions, and motivational theories to practical tasks and experiments, demonstrating an understanding of their practical implications.
4. Analyse data obtained from experiments and practical demonstrations related to various perceptual processes
5. Analyze goal setting comprehensively, synthesizing theory, practice, and interpretation

(All the Practical's carry equal weightage in Summative Assessment and equal engagement)

### **Practical Plan**

Assignment/Practical/A ctivity Number	Assignment/Practical/A ctivity Title	Week Number/T urn	Details	CL O	Hou rs
1	Practical 1: Perceptual Process	Week /Turn 2	1.1 Understati ng, Demonstra tion of Mular Lyer Illusion	CL O 1	2
		Week 2	1.2 Performing Mular Lyer Illusion		3
		Week 3	1.3 Interpretation and results		3
2.	Practical 2 Thinking and Problem Solving	Week 4	2.1 Understanding and demonstration of Maze learning	CL O 2	2
		Week 5	2.2 Performing Maze Learning		3



		Week 6	2.3 Interpretation and results		3
3.	Practical 3 Learning	Week 7	3.1 Understanding and demonstration of Bilateral transfer	CL O 2	2
		Week 8	3.2 Performing Bilateral transfer		3
		Week 9	3.3 Interpretation and results		3
4.	Practical 4 Thinking	Week 10	4.1 Understanding and demonstration of concept formation	CL O 3	2
		Week 11	4.2 Performing concept formation		3
		Week 12	4.3 Interpretation and results		3
5.	Practical 5 Psychophysics	Week 13	5.1 Understanding and demonstration of Method of Constant Stimuli- RL or DL	CL O 3	2
		Week 14	5.2 Performing Method of Constant Stimuli- RL or DL		3



		Week 15	5.3 Interpretation and results		3
6.	Practical 6 Psychophysics	Week 16	6.1 Understanding and demonstration of Divided attention	CL O 4	2
		Week 17	6.2 Performing of Divided attention	-	3
		Week 18	6.3 Interpretation and results	-	3
7.	Practical 7. Motivation and Emotions	Week 19	7.1 Understanding and demonstration of Goal Setting	CL O 5	2
		Week 20	7.2 Performing of Goal Setting		3
		Week 21	7.3 Interpretation and results	-	3
8	Practice Hours		All		4
	Total				60

### Textbooks:

- 1. Rajamanickam, M. (2005). Experimental Psychology: with Advanced Experiments, Volume 1 & 2. New Delhi: Concept Publishing Company
- 2. Mohsin, S. M. (2016). Experiments in psychology. Motilal Banarsidass

## Reference Books:



- 1. Galotti, K. M. (2017). Cognitive psychology in and out of the laboratory. Sage Publications. 10. Sternberg, R.J., Sternberg, K., and Jeff, M. (2011).
- 2. Cognitive Psychology. Wadsworth. 11. Farmer, T. A., & Matlin, M. W. (2019).
- 3. Cognition. John Wiley & Sons. 12. Guenther, R.K. (1998). Human cognition. NJ: Prentice-Hall.

### Online Resources:

- 1. <a href="https://youtu.be/UeyFWwQxT9A?si=7oBPrODHSkzEJyRm">https://youtu.be/UeyFWwQxT9A?si=7oBPrODHSkzEJyRm</a>
- 2. https://youtu.be/gZdej4rYfL0?si=O45O11-P6eGVvH8u
- 3. <a href="https://youtu.be/nH9vnqYxfmk?si=FkT8EkCNlEeBZhRs">https://youtu.be/nH9vnqYxfmk?si=FkT8EkCNlEeBZhRs</a>



Name of the Program: BSc CP Course Name Nutrition and mental Health			Semester: 3		3	Level: UG			
		Nutrition and mental Health			ourse Cod /pe	e/ Course	UBSCP210 /MAJM		
Course Pattern 2024			V	ersion		1.0			
Teaching Sch	eme					А	ssessment Scher	me	
Theory	Practical	Tutorial	Total Credi		ours	CIA (Continuous Internal Assessment)	ESA (End Semester Assessment )	Practical/Or al	
3				3		40	60	100	
Pre-Requisite: Course Objectives (CO):				Tì	The objectives of (Nutrition and Mental Health) are:  1. To familiarize students about physical and mental health  2. To create awareness of various life style related diseases  3. To create awareness of various life style related diseases  4. To provide understanding of stress management  5. Identify the role of specific nutrients in brain				
Course Learning Outcomes (CLO):			1. 2. 3.	function and emotional regulation.  Students would be able to:  1. To know about the role of importance of physical and mental health  2. Analyze the impact of dietary patterns on mental health.  3. Evaluate the effectiveness of nutritional interventions in treating mental health disorders.  4. Promote holistic approaches to mental health care through diet and nutrition.  5. Understand the importance of a healthy lifestyle					

Descriptors/Topics	CLO	Hours
UNIT I		
Overview of Mental Health	CLO 1	9
Definition and scope of mental health. Importance of health and wellness Education, Factors affecting mental health. Common mental health disorders: Depression, anxiety, schizophrenia, bipolar disorder, etc. The role of diet in relation to specific mental health problems		
UNIT II		
Basics of Nutrition	CLO 2	9
Macronutrients and micronutrients: Functions and sources. Essential vitamins and minerals for brain health. Dietary guidelines and nutritional recommendations.		



Essential components of balanced diet for healthy living with specific reference to the role of carbohydrates, proteins, fats, vitamins & minerals.  Role of Good Mood Food in mental health, The role of food in preventing mental health problems  UNIT III  Dietary Patterns and Mental Health  The evolution of research linking nutrition and mental health. Sedentary lifestyle and its risk		
UNIT III  Dietary Patterns and Mental Health  The evolution of research linking nutrition and mental health. Sedentary lifestyle and its risk		
Dietary Patterns and Mental Health  The evolution of research linking nutrition and mental health. Sedentary lifestyle and its risk		
The evolution of research linking nutrition and mental health. Sedentary lifestyle and its risk		
·	CLO 3	9
of disease. Stress, anxiety, and depression. Factors affecting mental health, Common Eating disorders.		
<b>Western Diet vs. Mediterranean Diet</b> : Comparative analysis of dietary patterns. The impact of a high-fat, high-sugar diet on mental health. Benefits of the Mediterranean diet on cognitive function and emotional well-being.		
<b>Plant-Based Diets and Mental Health</b> : The role of vegetarian and vegan diets in mental health. Nutritional considerations for maintaining mental well-being on plant-based diets.		
<b>Special Dietary Considerations</b> : Impact of fasting, ketogenic, and other special diets on mental health. Cultural influences on dietary patterns and mental health outcomes.		
UNIT IV		
Neurobiology of Nutrition and Mental Health	CLO3/4	9
Brain Structure and Function		
Overview of brain anatomy and neurotransmitters. Neuroplasticity and the role of nutrition in brain development.		
Nutrients and Neurotransmitters		
The male of amine saids are as 2 feather saids as 1 D saids are in a second and it.		
The role of amino acids, omega-3 fatty acids, and B vitamins in neurotransmitter synthesis.		
The role of amino acids, omega-3 fatty acids, and B vitamins in neurotransmitter synthesis.  The gut-brain axis: How gut health influences mental health.		
The gut-brain axis: How gut health influences mental health.		
The gut-brain axis: How gut health influences mental health.  The impact of glucose and insulin on cognitive function and mood.	CLO 3/4	9
The gut-brain axis: How gut health influences mental health.  The impact of glucose and insulin on cognitive function and mood.  UNIT V  Emerging Trends and Research in Nutrition and Mental Health: Role of Yoga, asanas and meditation in maintaining health and wellness. Role of sleep in maintenance of	CLO 3/4	9
The gut-brain axis: How gut health influences mental health.  The impact of glucose and insulin on cognitive function and mood.  UNIT V  Emerging Trends and Research in Nutrition and Mental Health: Role of Yoga, asanas and meditation in maintaining health and wellness. Role of sleep in maintenance of physical and mental health.	CLO 3/4	9

### **Text Books:**

- 1. Mental Health Workbook by Emily Attached & Marzia Fernandez, 2021.
- 2. Mental Health Workbook for Women: Exercises to Transform Negative Thoughts and Improve WellBeing by Nashay Lorick, 2022

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#### **Reference Book:**

- 1. Lifestyle Diseases: Lifestyle Disease Management, by C. Nyambichu & Jeff Lumiri, 2018.
- 2. Physical Activity and Mental Health by Angela Clow & Sarah Edmunds, 2013

### Online Resources/E-Learning Resources

• Feeding Minds: The impact of food on mental health <a href="https://www.mentalhealth.org.uk/publication-download/feeding-minds">https://www.mentalhealth.org.uk/publication-download/feeding-minds</a>
Diet and mental health <a href="https://www.mentalhealth.org.uk/a-to-z/d/diet-and-mental-health">https://www.mentalhealth.org.uk/a-to-z/d/diet-and-mental-health</a>
Anorexia nervosa <a href="https://www.mentalhealth.org.uk/a-to-z/a/anorexia-nervosa">https://www.mentalhealth.org.uk/a-to-z/a/anorexia-nervosa</a>
Attention deficit hyperactivity disorder (ADHD) https://www.mentalhealth.org.uk/a-to-z/a/attention-deficit-hyperactivitydisorder-adhd Bipolar disorder https://www.mentalhealth.org.uk/a-to-z/b/bipolar-disorder Bulimia nervosa https://www.mentalhealth.org.uk/a-to-z/d/dementia Depression https://www.mentalhealth.org.uk/a-to-z/d/depression Mealtimes and mental health https://www.mentalhealth.org.uk/a-to-z/m/mealtimes-and-mental-health



# **COURSE CURRICULUM**

Name of the Program:  Course Name  Comparative Psychology			Semester : 4			Level: UG				
		-	Comparative Psychology		e Code/ C	Course Type	UBSCP211/MAJM			
Course l	Course Pattern 2023		Version			1.0				
Teaching	g Scheme			Assessment S			Scheme			
Theory	Practical	Tutorial	Tot al Cre dits	Hours		CIA (Continuous Internal Assessment)	ESA (End Semester Assessment )	Practical/ Oral		
3	-	-	3	3		40	60	-		
Pre-Req	uisite:	FYB	Sc.			l		1		
Course C	Objectives (C	CO):		The ob	The objectives of Comparative Psychology are:					
				1. To recall the definition of comparative psychology.						
				<ol> <li>To Examine the historical contributions of keysuch as Charles Darwin, George John R Wilhelm Wundt, Ivan Pavlov, Edward Lee Th Robert Yerkes, and John Watson to the deve of Comparative Psychology.</li> </ol>				n Romanes, e Thorndike, development		
				3.		~	ms exchanged be sts and ethologist			
				4.			ined to critically ut behavior acros			
				5.	_	tion, communi	animal behavion cation, parenting			
Course L	earning Out	tcomes (CL	O):	Students would be able to:						
				Define comparative psychology and its major theories.						
				2.	Explain the historical context of comparative psychology.					
				3.	-	mparative psycl	ticisms exchanged nologista and earl			
				4.	_	ritualization and al behavior.	d communication	– a category		



5.	Analyse major categories of animal behavior,
	including social behaviors and organization, and
	mating behaviors.

Descriptors/Topics	CLO	Hours
UNIT I		
What is Comparative Psychology?	CLO1	9
1. Definition 2. Principle of integrative levels 3. Continuum of mind 4. Dynamic systems theory 5. Factors involved in the genesis of behavior characteristics		
UNIT II		
Historical Context of Comparative Psychology	CLO2	9
1. Charles Darwin 2. George John Romanes 3. Morgan's Canon 4. Wilhelm Wundt 5. Ivan Pavlov		
UNIT III		
Historical Context of Comparative Psychology 6. Edward Lee Thorndike 7. Robert Yerkes 8. John Watson 9. Mutual criticisms exchanged between early comparative psychologists and early ethologists	CLO3	9
UNIT IV		
Ritualization and communication	CLO4	9
Mate selection and sexual strategy, Family relationships, parental care and altruism, Habitat choice and immigration, Territorial behavior and aggression, Predator and anti-predator behavior		
UNIT V		
Parenting and Social Behavior: Parenting: maternal involvement, parental involvement, parental involvement, parent-offspring conflict b. Kinship: theory of implicit and inclusive fitness and empirical support c. Cooperation: evolution of cooperation, reciprocal altruism, d. Cognitive adaptations for social exchange	CLO5	9
Total Hours		45



### Textbooks:

1. Papini, M. R. (2020). Comparative Psychology: Evolution and Development of Brain and Behavior / Mauricio R. Panini (Third edition). Routledge

### **Reference Books:**

1. Watson, J. B. (1914). *Behavior: An introduction to comparative psychology*. Henry Holt and Co. <a href="https://doi.org/10.1037/10868-000">https://doi.org/10.1037/10868-000</a>

### Online Resources/E-Learning Resources

- 1.https://youtu.be/KmyrF96nni4?si=NmSt3rcnw7eAevsx
- 2. <a href="https://youtu.be/LsPjB1FvpWE?si=y-Gg09xz7SLQMmSN">https://youtu.be/LsPjB1FvpWE?si=y-Gg09xz7SLQMmSN</a>



## **COURSE CURRICULUM**

Name of the Program:		BSc CP		Semester :	Semester: 4		Level: UG		
Course Name Organisational			Course Code/ Course		UBSCP212/				
		psycholog	<b>Sy</b>	Type		VSC			
Course	Pattern	2023		Version		1.0			
Teachin	g Scheme				Assessment S	Scheme			
Theory	Practical	Tutorial	Total Credits	Hours	CIA (Continuous Internal Assessment)	ESA (End Semester Assessment )	Practical/ Oral		
3	-	-	3	3	40	60	-		
Pre-Req	uisite: FY	YBSc.			<u>l</u>	l	<u>l</u>		
				2. To org on 3. To psy org 4. To und em 5. To per	d organizational recognize the further than the further t	indamental conceptions of the indicate the i	ots of influence nizational el and es and to lancing ection.		
Course Learning Outcomes (CLO):				1. Ide and the 2. Expsy	d organizational ir impact on cur plain fundament rehology, highlig	developments in in psychology, under rent practices. al concepts of orgonizational struct	rstanding ganizational ion between		



3.	Apply organizational psychology principles to
	address real-world personnel issues,
	demonstrating professional skills.
4.	Analyze data from motivation theories and job

- Analyze data from motivation theories and job evaluation methods to enhance employee motivation and satisfaction.
- 5. Design effective interventions for managing workplace relationships and addressing negative attitudes and behavior

Descriptors/Topics	CLO	Hours
UNIT I		
<b>Introduction to Organizational Psychology:</b> Historical development of industrial and organizational psychology, fundamental concepts- nature of people and nature of organization	CLO 1	09
UNIT II		
<b>Personnel and Organizational Issues:</b> Scope and opportunities in the field, professional skills for organizational psychologist, Worker stress, Negative employee attitudes and behavior.	CLO 2	09
UNIT III		
Motivation Theories: Needs Hierarchy Theory, FRG Theory ,Motivation-Hygiene (Two Facture) Theory, Job Characteristics Theory	CLO 3	09
UNIT IV		
Assessing job performance and job satisfaction: performance evaluation - Downsizing, promotion, seniority, Appraisal rating and non-rating evaluation methods, Job satisfaction: Concept and theories	CLO 4	09
UNIT V		
Relationship at work: nature of work place relationship, affect and workplace, employee relations, discrimination, diversity, bullying and violence in the workplace	CLO 5	09
Total Hours		45



### **Textbooks:**

- 1. Riggio, R. E., & Johnson, S. K. (2022). Introduction to Industrial/Organizational Psychology (8th Ed.).
- 2. Jex, S. M., & Britt, T. W. (2008). Organizational Psychology: A Scientist-Practitioner Approach. John Wiley & Sons.

### **Reference Books:**

- 1. Sinha, J.B.P. (2008) Culture & Organization Behaviour. New Delhi: Sage Texts
- 2. Robbinns, S. (2001). Organization behaviour. (9th ed.). New Delhi : Prentice Hall of India.
- 3. Landy, F. J., & Conte, J. M. (2010). Work in the 21st Century: An Introduction to Industrial and Organizational Psychology. John Wiley & Sons.

### **Online Resources/E-Learning Resources:**

- 1. https://library.wbi.ac.id/repository/143.pdf
- 2. <a href="https://youtu.be/rIPaK5ObMpM?si=eAGDonS79tQoC">https://youtu.be/rIPaK5ObMpM?si=eAGDonS79tQoC</a> CF
- 3. <a href="https://youtu.be/nX1gDP4\_WmM?si=BiB183XZKd7FwZI0">https://youtu.be/nX1gDP4\_WmM?si=BiB183XZKd7FwZI0</a>



## **COURSE CURRICULUM**

	Name of the Program:  B.Tech/B.B.A/B.C. A/B.Sc/B.Pham		Semeste	er:4	Level: UG		
Course 1	Name	Constitut India	Constitution of India		Code/ Course	ACCOI201/A	C
Course	Pattern	2023		Version		1.0	
Teachin	g Scheme				Assessment S	Scheme	
Theory	Practical	Tutorial	Total Credits	Hours	CIA (Continuous Internal Assessment)	ESA (End Semester Assessment)	Practical/ Oral
2	-	-	-	2	50	-	-
Pre-Req	uisite:	l					
Course	Objectives (	(CO):		The obj	ectives of Constitu	ition of India ar	e:
				<ul><li>2.</li><li>3.</li><li>4.</li></ul>	To familiarize the sof the Indian constitutions and value To acquaint the st functions of vario institutions.  To make students upof Indian politics.  To make students upof Indian politics.	tution.  It to grasp the cases.  It dents with the us constitutional anderstand the bases are understand to the bases.	powers and offices and asic premises
Course	Loomning ()	utaamas (C	1 ()).	Student	democracy		
Course	Learning O	utcomes (C	LU):	1.		: asic structure	of Indian
					Remember their F and Fundamental constitution.	Fundamental Rig Duties (FD'	
					know about our structure & codes,		ent, political
				4.	Understand our S system of India.	tate Executive	& Elections



5.	Access	the	Amendments	and	Emergency
			her important p	rovisi	ons given by
	the cons	titutio	on		

Descriptors/Topics	CLO	Hours
UNIT I		
Introduction to Indian Constitution:	CLO 1	8
The Necessity of the Constitution, The Societies before and after the Constitution adoption. Introduction to the Indian constitution, The Making of the Constitution, The Role of the Constituent Assembly. The Preamble of Indian Constitution & Key concepts of the Preamble. Salient features of India Constitution.		
UNIT II		
FR's, FD's and DPSP's:	CLO 2	5
Fundamental Rights and its Restriction and limitations in different Complex Situations. Directive Principles of State Policy (DPSP) and its present relevance in our society with examples. Fundamental Duties and its Scope and significance in Nation building		
UNIT III		
Governance and Constitution:	CLO 3	5
Federalism in India - Features , Local Government -Panchayats –Powers and functions; 73rd and 74th amendments, Election Commission – Composition, Powers and Functions; Electoral Reforms, Citizen oriented measures – RTI and PIL – Provisions and significance		
UNIT IV		
Union Executive:	CLO 4	5
Parliamentary System, Union Executive – President, Prime Minister, Union Cabinet, Parliament - LS and RS, Parliamentary Committees, Important Parliamentary Terminologies. Supreme Court of India, Judicial Reviews and Judicial Activism.		
UNIT V		
State Executive & Elections, Amendments and Emergency Provisions:	CLO 5	7
State Executive, Election Commission, Elections & Electoral Process. Amendment to Constitution (How and Why) and Important Constitutional Amendments till today. Emergency Provisions.		
Total Hours		30



### **Text Books**

- 1. "Constitution of India" (for Competitive Exams) Published by Naidhruva Edutech
  - a. Learning Solutions, Bengaluru. 2022.
- 2. "Engineering Ethics", M.Govindarajan, S.Natarajan, V.S.Senthilkumar, Prentice –Hall, 2004

#### **Reference Books:**

- 1. "SamvidhanaOdu" for Students & Youths by Justice HN NagamohanDhas, Sahayana, kerekon.
- 2. "Constitution of India, Professional Ethics and Human Rights" by Shubham Singles, Charles E. Haries, and et al: published by Cengage Learning India, Latest Edition 2019.
- 3. "Introduction to the Constitution of India", (Students Edition.) by Durga Das Basu (DD Basu):Prentice –Hall, 2008.
- 4. "The Constitution of India" by Merunandan K B: published by Merugu Publication,

Second Edition, Bengaluru.

#### **CIA Guidelines**

Online Quiz (Based on MCQ)- 20 marks

Activity (with short Report Submission) - 20 Marks

Academic Sincerity - 10 marks

Few of suggested activities are Assignments, Debates, Poster presentations, Model making, Group presentation, Field visits and Group Discussions.

#### Few of suggested topics related to Constitution of India are:

### **Debate Topics**

- Rights and duties
- Base of Reservation and need

### Assignment

- > Characteristics of Constitution
- ➤ Working of Constitution



Name of Progran		Foreign L	anguage	Semester :	4	Level: UG/PG			
Course 1	Name	German A	A1.2	Course Code/Course Type		UFL 202 A/AEC		UFL 202 A/AEC	
Course 1	Pattern	2024		Version		1.0			
Teaching	g Scheme			<u> </u>	Assessment S	cheme			
Theory	Practical	Tutorial	Total Credits	Hours	CIA (Continuous Internal Assessment)	ESA (End Semester Assessment )	Practical/ Oral		
2	-	-	-	2	20	30	-		
-	uisite: Car es aimed at s			-	ı eryday expressi	ons and very sim	ple		
				The object	ives of (Germa	n A1.2) are:			
Course Objectives (CO):			6. To get along with a basic vocab.						
	• • • •		7. To understand German day to day culture.						
				8. Can communicate in routine situations.					
				9. To be able to have a direct exchange of information about familiar matters.					
				10. To describe own surroundings.					
				Students w	ould be able to	•			
Course 1	Learning O	utcomes (C	LO):	1. Communicate in the areas of immediate importance.					
			2. Able to frame simple sentences in formal conversation.						
			3. Translate simple sentences from English to the German language and vice-versa.						
				lan	-	gue, in the Germa c human interact			
					ke part in an in oversation	teraction relating	g to basic		

Descriptors/Topics	CLO	Hours	



nieve		
UNIT I		
Kontakte  planning of letter writing, ramification of Letter, ,writing and understanding, discussion about language learning, find information from texts, understand conversations on various topics, texts related to office life  Grammar – Usage of Articles and Prepositions	CLO 1	6
UNIT II		
MeineWohnung  Understand home advertisements, describe house, how to reply invitations, how to express 'likes and dislikes', speak about different forms of living, how to write a text on house  Grammar – Adjectives	CLO 2	6
UNIT III		
AllesArbeit?  Talk about daily routine, talk about past, understand job advertisements, understand blogs on jobs, express opinions about jobs, prepare telephonic dialogues, speak about jobs  Grammar – Past tense, Sentence connectors	CLO3	6
UNIT IV		
Kleidung und Mode  Speak about cloths and shopping, lead a discussion during cloths shopping, discussion in departmental store, understand and research information about Berlin  Grammar – Separable and non-separable verbs	CLO4	6
UNITV		
Gesund und munter&Ab in den Urlaub  Learn body parts, Health related dialogue, City orientation, Travel reports, discussion regarding different travel destinations and weather  Grammar – Imperative, Time adverbs	CLO5	6
Total Hours		30



#### **Textbooks:**

- 4. Netzwerk A1, Ernst klettVerlag&Goyal Publishers & Distributors Pvt. Ltd.
- 5. Studio d A1, CornelesenVerlag&Goyal Publishers & Distributors Pvt. Ltd.
- 6. NetzwerkNeu A1, Ernst klettVerlag&Goyal Publishers & Distributors Pvt. Ltd

### **Reference Books:**

- 1. Hallo Deutsch A1, Ernst Klett Verlag, Goyal Publishers & Distributors Pvt. Ltd
- 2. ThemenAktuell 1, Hueberverlag
- 3. Maximal Ernst klettVerlag&Goyal Publishers & Distributors Pvt. Ltd.

### **Online Resources/E-Learning Resources:**

1. Youtube: <a href="https://youtube.com/@LearnGermanwithAnja?si=BkJYDPi7TS0fT4lr">https://youtube.com/@LearnGermanwithAnja?si=BkJYDPi7TS0fT4lr</a>

https://youtube.com/@deutschlernenmitheidi?si=TkICIabzioaU0roZ

2. Instagram: instagram.com/learngermanwithanja

