



Indraprastha College for Women

University of Delhi

WORK PLAN FOR ODD SEMESTER 2026

Course Name:	B.A. (Prog.) Psychology
Paper Title:	Biopsychology (Theory)
Unique Paper Code:	2112112302
Semester:	III
Faculty(s):	Dr. Nidhi Malik
Year:	2026

Work Plan			
Unit No.	Learning Objective	Lecture No.	Topics to be Covered
Unit 1	To understand the nature, scope and applications of Biopsychology	1	Introduction of the paper, learning objectives, workplan
		2	Nature of Biopsychology
		3	Scope of Biopsychology
		4	Biopsychology as an Integrative Discipline
		5	Diversity of Biopsychological Research
		6	Divisions of Biopsychology
		7	Divisions of Biopsychology
		8	Applications of Biopsychology
Unit 2	Learning the structure and functions of neurons, and the processes of action potential and synaptic transmission	9	Neuron as a Basic Unit of Nervous System
		10	Structure of a Neuron
		11	Structure of a Neuron
		12	Functions of a Neuron
		13	Types of Neuron
		14	Generation of Action Potential
		15	Generation and Propagation of Action Potential
		16	Structure of Synapse
		17	Types of Synapses
		18	Process of Synaptic Transmission
		19	Process of Synaptic Transmission

Unit 4	Learning how endocrine glands mediate behaviour	20	Basic Characteristics of Endocrine Glands
		21	Anatomical Location of Major Glands
		22	Characteristics and Types of Hormones
		23	Structure, Functions and Abnormalities of Posterior Pituitary Gland
		24	Structure, Functions and Abnormalities of Anterior Pituitary Gland
		25	Structure, functions and Abnormalities of Adrenal Medulla
		26	Structure, functions and Abnormalities of Adrenal Cortex
		27	Structure, functions and Abnormalities of Thyroid Glands
		28	Structure, functions and Abnormalities of Gonads
		29	Structure, functions and Abnormalities of Gonads
		30	Revision and Doubt Clarification

Syllabus		
Unit	Contents	Contact Hours
1	Introduction: Nature, Scope and Applications of Biopsychology	9
2	Neuron: Structure and Functions of Neurons, Action Potential/ Nerve Impulse, Synaptic Transmission	12
3	Brain and Behaviour: Methods (EEG, CT, fMRI), CNS and Behaviour (Spinal Cord and Brain Functions)	12
4	Endocrine System: Endocrine Basis of Behaviour, Structure, Functions and Abnormalities (Pituitary, Adrenal, Thyroid, Gonads)	12
	Total	45
Text Books/Suggested Readings:		
S. No.	Name of Authors/Books/Publishers	Year of Publication/ Reprint
1.	Carlson, N. R. <i>Foundations of Physiological Psychology</i> (Latest ed.) Pearson Education	2005
2.	Pinel, J. P. J. (2016). <i>Biopsychology</i> (9th ed.). Pearson Education.	2016
3.	Khosla, M. (2017). <i>Physiological Psychology: An Introduction</i> . Sage Texts.	2017
4.	Leukel, F. (1976). <i>Introduction to Physiological Psychology</i> . Pearson.	1976

	Paper Components		
Credits	Lecture (L)	Tutorial (T)	Practical (P)
4	3	1	0
Assessment Scheme			
S.No.	Component	Marking Scheme	Total Marks

1	Internal Assessment - Assignment - Class Test - Attendance		30
		12	
		12	
		6	
2.	Continuous Assessment (Tutorial) - Quiz - Class Activity - Attendance		40
		20	
		15	
		5	
3.	Practical - Continuous Assessment - End term practical examination - Viva		NA
		NA	
		NA	
		NA	
4.	End Semester Examination		90