TEACHING PLAN (CBCS)-EVEN SEMESTER (2022-2023)

DEPARTMENT OF PHYSIOLOGY

PHYSIOLOGY HONOURS (PHYA)

SEMESTER-II

PAPER	FULL MARKS	TOPIC	TEACHER	CLASS HOUR	TEACHING METHOD
CC3 TH	50	1. Cell signaling 2. Nerve physiology 3. Muscle physiology	PG PG DS	12 12 12	Interactive, Learner-centric methods
CC3P PRACTICAL	30	1. Staining of nerve fibre by silver nitrate method 2. Staining of skeletal & cardiac muscle 3. Staining of collagen in tissue section	PG PG PG	08 08 08	Experiential learning (hands -on training)
				Total =60	
CC4TH	50	1. Nervous system (Up to Muscle spindle) 2. Brain and limbic system 3. Molecular neurobiology	SD MD MD	12 12 12	Interactive, Learner-centric methods with ICT tools.
CC4P PRACTICAL	30	1. Kymographic recording of Simple muscle curve 2. Effect of load on SMC 3. Effects of two successive stimuli on SMC 4. Neural reflexes	SD SD SD MD	06 06 08 04	Experiential learning (hands -on training)
				Total= 60	

SEMESTER- IV

PAPER	FULL MARKS	TOPIC	TEACHER	CLASS HOUR	TEACHING METHOD
CC8TH	50	1. Digestion & absorption 2. Carbohydrate metabolism 3. Lipid metabolism 4. Protein metabolism 5. Purine& pyrimidine metabolism	DS MD MD SD SD	12 06 06 06 06	Interactive, Learner-centric methods
CC8P PRACTICAL	30	1. Dale's experiment on rat's intestine. 2. Effect of acetylcholine on intestinal movement 3. Effect of adrenaline on intestinal movement 4. Estimation of amino nitrogen (total quantity) 5. Estimation of amino nitrogen (% quantity)	PG PG PG SD SD	06 06 06 02 04	Experiential learning (hands -on training)
				TOTAL = 60	
CC9TH	50	1. Molecular biology 2. Methodologies	SD PG	20 16	Interactive, Learner-centric methods
CC9P PRACTICAL	30	1. Colorimetric estimation of serum protein 2. Estimation of serum albumin 3. Estimation of serum urea 4. Estimation of blood glucose 5. Paper chromatography	MD MD MD MD PG	04 04 06 06 04	Experiential learning (hands -on training)
				TOTAL = 60	
CC10TH	50	1. Nutrition-Vitamins & Minerals 2. SDA up to Dietetics	DS PG	18 18	Interactive, Learner-centric methods
CC10P PRACTICAL	30	1. Composition & nutritional value of food staff 2. Qualitative analysis of rice, pulses etc. 3. Diet survey of a family (ICMR specification)	PG PG PG	04 08 12	Experiential learning
				TOTAL= 60	
SEC-B1	80	1. Detection of food additives 2. Xenobiotic metabolism	MD MD	20 16	Experiential learning (Skill development)
				Total=36	

SEMESTER-VI

PAPER	FULL MARKS	TOPIC	TEACHER	CLASS HOUR	TEACHING METHOD
CC13TH	50	1. Reproductive physiology 2. Developmental biology	DS DS	18 18	Interactive, Learner-centric methods
CC13P PRACTICAL	30	1. Identification of permanent histological slides 2. Silver nitrate preparation of corneal cell space 3. Silver nitrate preparation of urinary bladder	MD, SD PG PG	12 06 06	Experiential learning (hands -on training)
				TOTAL= 60	
CC14TH	50	1. Excretory physiology (Kidney) 2. Skin & body temperature regulation 3. Environmental pollutants and human health	PG SD MD	12 12 12	Interactive, Learner-centric methods
CC14P PRACTICAL	30	1. Identification of permanent histological slides 2. Identification of normal and abnormal constituents of urine	PG PG	16 08	Experiential learning
				TOTAL=60	
DSEA4TH	50	1. Public health & malnutrition 2. Diet management of various conditions 3. Infertility and ART 4. Principle and importance of immunization 5. Epidemiology of communicable diseases 6. Epidemiology of non-communicable diseases	SD SD SD SD SD SD	04 06 08 08 06 04	Interactive, Learner-centric methods
DSEA4P PRACTICAL	30	1. Field survey on human subjects 2. Calculation of BSA, BMI and PI	SD SD	20 04	Experiential learning (hands -on training)
				TOTAL=60	
DSEB3TH	50	1. Neural basis of biological rhythm (chronobiology) 2. Stress physiology 3. Oxidative stress	MD MD MD	16 14 06	Interactive, Learner-centric methods
DSEB3P PRACTICAL	30	1. Project work on circadian rhythm 2. Assessment of environmental heat load 3. Assessment of noise level in environment 4. Determination of diurnal rhythm of body temperature	MD MD MD MD	10 04 02 04 04	Experiential learning (hands -on training)
				TOTAL=60	

TEACHING PLAN
PHYSIOLOGY GENERAL(PHYG)
SEMESTER-II

PAPER	FULL MARKS	TOPIC	TEACHER	CLASS HOUR	TEACHING METHOD
CC2TH/ GEN1TH	50	1. Blood and Body fluids 2. Respiratory system 3. Cardiovascular system	DS DS SD	12 12 12	Interactive, Learner-centric methods
CC2P/ GEN2P PRACTICAL	30	1. Hematology experiments 2. Kymographic recording of Heart Curve. 3. BP measurement 4. Pneumography 5. Peak flowmetry	SD SD DS DS DS	06 04 06 04 04	Experiential learning (hands -on training)
				TOTAL= 60	

SEMESTER-IV

PAPER	FULL MARKS	TOPIC	TEACHER	CLASS HOUR	TEACHING METHOD
CC4TH/ GEN4TH	50	1. Excretory Physiology 2. Reproductive Physiology 3. Endocrinology	DS DS SD	12 12 12	Interactive, Learner-centric methods
CC4P/ GEN4P PRACTICAL	30	4. Normal and abnormal constituents of urine. 5. Identification of permanent histological slides	DS PG	12 12	Experiential learning (hands -on training)
				TOTAL=60	
SECB2	80	1. Community & Public health	DS	18	Experiential learning (Skill development)
				TOTAL=18	

SEMESTER-VI

PAPER	FULL MARKS	TOPIC	TEACHER	CLASS HOUR	TEACHING METHOD
DSEB2 TH	50	1. Human Nutrition & Dietetics	DS	04 04 04 04	Interactive, Learner-centric methods
DSEB2 P PRACTICAL	30	1. Diet Survey of a family (ICMR specification)	PG	04 04 02 04	Experiential learning (hands -on training)
				TOTAL=30	
SECB2	80	1. Community & Public Health.	MD	04 08 06	Experiential learning (Skill development)
				TOTAL= 18	