

TEACHING PLAN FOR THE YEAR:

CLASS: 5th Semester

DEPT.: Zoology 2023

NAME OF THE TEACHER	MONTH JULY			MONTH AUGUST			MONTH SEPTEMBER		
	WEEK	TOPIC	WEEK	WEEK	TOPIC	WEEK	TOPIC	WEEK	TOPIC
M.M. Kharbhyang	1 st		1 st	Arboreal & Aquatic Adaptation	1 st		1 st	Deep Sea Adaptation	
	2 nd	Zoogeographical realms	2 nd	Cursorial & Desert adaptation	2 nd		2 nd	Scalae in Fishes	
	3 rd	Pattern & Regulation behaviour-benefit of food	3 rd	Affinities of Salamanders & Amphibians	3 rd		3 rd	Accessory respiratory organs in Fishes	
	4 th	Mimicry, Colouration	4 th	Petromyzine & Myxine CS retrogressive vertebrae	4 th		4 th	Migration in Fishes.	
	5 th	TOPIC	5 th	Dipnoi & Fishes in Fishes	5 th		5 th	TOPIC	
J. Bhowar	1 st	Introduction to Onychophora	1 st	Arthropoda - Feeding in insects	1 st		1 st	Detrition in Mollusca	
	2 nd	Onychophora - General Organization	2 nd	Vision in insects (Diurnal)	2 nd		2 nd	Water resorption system in Ectoparasites.	
	3 rd	Affinities of Onychophora	3 rd	Vision in insects (Nocturnal)	3 rd		3 rd	Comparative study of eyes.	
	4 th	Arthropoda - Types of mouthparts	4 th	Mollusca - Torsion	4 th		4 th	TOPIC	
	WEEK	TOPIC	WEEK	TOPIC	WEEK		WEEK	TOPIC	
K.M. Kharbhyang	1 st		1 st	Role of mutation by cis method	1 st		1 st	mechanism of biting	
	2 nd	fine structure of gene, split & overlapping genes	2 nd	SNR damage & repair	2 nd		2 nd	flight adaptation, migration in birds	
	3 rd	transposons; mutagenic agents	3 rd	parental care in amphibians.	3 rd		3 rd	Affinities of mammals & mammals	
	4 th	gene mutation & types.	4 th	poisonous snakes	4 th		4 th	selection in mammals; comparative anatomy	
	5 th	TOPIC	5 th	poisonous spiders	5 th		5 th	occurrence of mammals	
I. Barman	1 st		1 st	Storage compensation, Linn's Hypothesis	1 st		1 st	Antibodies: Structure, classes & functions	
	2 nd	subnuclear inheritance, kappa particles in Para-	2 nd	Sex determination in man	2 nd		2 nd	Antigens: characteristics; Cell & Humoral immunity	
	3 rd	Human karyotype; genetic disorders in man	3 rd	Sex-linked inheritance in Drosophila (eye color)	3 rd		3 rd	Antigen - Ab interaction, introduction to cytokines	
	4 th	genetic disorders in man	4 th	Sex-linked inheritance in man	4 th		4 th	Major MHC comparison by complex	
	5 th	TOPIC	5 th	Non-disjunction of sex chromosomes	5 th		5 th	TOPIC	
K. Chyng	1 st		1 st	Print & applied of cytometry	1 st		1 st	cont. chem foundation physiology	
	2 nd	Principles of application - light & electron M.	2 nd	gel filtration	2 nd		2 nd	Diffusion & Osmotic Pressure	
	3 rd	do...	3 rd	ion exchange	3 rd		3 rd	Michaelis & Menten & Significance	
	4 th	Print & Applied of Centrifugation	4 th	Chemical foundation physiology...	4 th		4 th	Enzyme inhibition	
	5 th	TOPIC	5 th	TOPIC	5 th		5 th	TOPIC	

Signature of the Head of the Department.

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CLASS:

DEPT.: Zoology 2023

NAME OF THE TEACHER	MONTH	WEEK	TOPIC	MONTH	WEEK	TOPIC	MONTH	WEEK	TOPIC	
J. Dhan	July	1 ST	Genome organization in bacteria	August	1 ST	General Transgen	September	1 ST	Translation in prokaryotes	
		2 ND			2 ND					2 ND
		3 RD			3 RD					3 RD
		4 TH			4 TH					4 TH
	1 ST	Central dogma of molecular biology	1 ST	Transcription in prokaryotes	1 ST	Gene regulation in prokaryotes				
	2 ND		2 ND		2 ND					
	3 RD		3 RD		3 RD					
	4 TH		4 TH		4 TH					
	1 ST	eukaryotes	1 ST	DNA replication in prokaryotes	1 ST	Genetic code				
	2 ND		2 ND		2 ND					
	3 RD		3 RD		3 RD					
	4 TH		4 TH		4 TH					
	1 ST	WEEK	1 ST	WEEK	1 ST	WEEK				
	2 ND		2 ND		2 ND					
	3 RD		3 RD		3 RD					
	4 TH		4 TH		4 TH					
1 ST	WEEK	1 ST	WEEK	1 ST	WEEK					
2 ND		2 ND		2 ND						
3 RD		3 RD		3 RD						
4 TH		4 TH		4 TH						
1 ST	WEEK	1 ST	WEEK	1 ST	WEEK					
2 ND		2 ND		2 ND						
3 RD		3 RD		3 RD						
4 TH		4 TH		4 TH						

TEACHING PLAN FOR THE YEAR :

CLASS: 3rd Semester

DEPT.: Zoology, 2023

NAME OF THE TEACHER	MONTH	TOPIC	WEEK	MONTH	TOPIC	WEEK	MONTH	TOPIC	WEEK
M. M. Kharbungekar	JULY	Endocrinology introduction + Hormones Hypothalamus + Thyroid Pituitary	1 ST	AUGUST	Parathyroid Adrenal. Adrenal Cortex Intro E.N.E. System Insect - Pituitary	1 ST	SEPTEMBER	Pancreas structure + Hormones Pancreas Hormone continue. Adrenal Revision Hypothalamus. revision	1 ST
			2 ND			2 ND			2 ND
			3 RD			3 RD			3 RD
			4 TH			4 TH			4 TH
			5 TH			5 TH			5 TH
J. D. Dasa		Classification of protein, fats, carbohydrates Biological significance of protein, fats Carbohydrates, Amino acids Essential and non essential amino acids	1 ST		Glycolysis TCA cycle β-oxidation of fatty acids Properties of classification of enzymes	1 ST		Mechanism of enzyme action, factors affecting Co-factors, co-enzymes, nucleosides, nucleotides Double helical structure of DNA Structure of RNA	1 ST
			2 ND			2 ND			2 ND
			3 RD			3 RD			3 RD
			4 TH			4 TH			4 TH
K. V. Kharbungekar		Ultra structure of neuron Nerve impulse: Axon + synaptic transmission reflex action	1 ST		Structure of mammalian kidney " " nephron physiology of urine formation - do -	1 ST		muscles - types, proteins connective tissue of muscle ultra structure of muscle sliding filament theory	1 ST
			2 ND			2 ND			2 ND
			3 RD			3 RD			3 RD
			4 TH			4 TH			4 TH
			5 TH			5 TH			5 TH
J. A. Kharbungekar		Digestion and absorption of carbohydrates Digestion and absorption of proteins Digestion and absorption of fats	1 ST		Vitamins: Types, sources and symptoms Respiration and breathing Gaseous exchange in vertebrate lungs Composition of blood Fibrinolysis of blood	1 ST		Types of heart in vertebrates Types of heart in vertebrates Structure of mammalian heart Revision.	1 ST
			2 ND			2 ND			2 ND
			3 RD			3 RD			3 RD
			4 TH			4 TH			4 TH
			5 TH			5 TH			5 TH

Signature of the Head of the Department.

(Signature) 03/10/23

TEACHING PLAN FOR THE YEAR:

CLASS: 1st Semester

DEPTT.: Zoology, 2023

NAME OF THE TEACHER	MONTH		MONTH		MONTH	
	WEEK	TOPIC	WEEK	TOPIC	WEEK	TOPIC
K. M. Manjappa	August		September		October	
	1 ST	Morphology of talera	2 ND	Morphology of amphioxus	1 ST	Circulatory system in Rabbit (covered test)
	2 ND	Respiratory system of talera	3 RD	Morphology of Rabbit	2 ND	
	3 RD	— covered	4 TH	Excretory system, Rabbit	3 RD	covered circulatory system
	4 TH	Morphology of Balanoglossus	5 TH	Physiology of digestion	4 TH	neuron system
	5 TH				5 TH	
	1 ST	Taxonomy, Phytology, systematic, category, Biological groups, shell	2 ND	Introduction to Mollusca	1 ST	Arthropoda, Mollusca
	2 ND	Binomial nomenclature, taxonomic hierarchy	3 RD	Porifera, Cnidaria	2 ND	Chordata
	3 RD	F-X classification: Annela, Balanisa, Amniotata	4 TH	Platyhelminthes, Protozoa	3 RD	
	4 TH	Porifera, thosomata, fungus, plantae, Amniotata	5 TH	Nemata, Annelida.	4 TH	
5 TH	Introduction to Mollusca					
I. Danon	WEEK	TOPIC	WEEK	TOPIC	WEEK	TOPIC
	1 ST	cell - Morphology	2 ND	Pila - morphology	1 ST	cont. water vascular system
	2 ND	cell - ultrastructural system	3 RD	Pila - Nervous system	2 ND	Integument Test
	3 RD		4 TH	Astaria - morphology	3 RD	
	4 TH	Parasita - Morphology	5 TH	" - water vascular system	4 TH	Revision
5 TH	Parasita - Reproduction					
R. Chen.	WEEK	TOPIC	WEEK	TOPIC	WEEK	TOPIC
	1 ST	Taxonomy - Morphology	2 ND	Obola - Reproduction	1 ST	Ascidia - dye cycle
	2 ND	Taxonomy - Reproduction.	3 RD	Tania - Morphology	2 ND	Revision.
	3 RD	System - morphology	4 TH	Tania - dye cycle	3 RD	Revision.
	4 TH	System - cont system	5 TH	Ascidia - Morphology	4 TH	
5 TH	Obola - Morphology					
T. A. K. Sengal	WEEK	TOPIC	WEEK	TOPIC	WEEK	TOPIC
	1 ST		1 ST		1 ST	
	2 ND		2 ND		2 ND	
	3 RD		3 RD		3 RD	
	4 TH		4 TH		4 TH	

Signature of the Head of the Department.