YOGODA SATSANGA PALPARA MAHAVIDYALAYA

DEPARTMENT OF ZOOLOGY

TEACHING PLAN*YEAR : 2018-2019*General						
Semester	Paper	Unit/Module	Teacher	No of	To be	
				Lecture	completed	
					by	
Semester-I	DSC1AT	Unit 1: Kingdom protista	Dr. Asit Kr.	06	1 st Month	
	Animal Diversity	Unit 3: Phylum Cnidaria	Bhattacharyya	10	1 st & 2 nd Month	
		Unit 7: Phylum Arthropoda		12	3 rd Month	
		Unit 15: Aves		05	4 th Month	
		Unit 4: phylum Platyhelminthes	Mr.Ayan	04	1 st Month	
		Unit 5: Phylum Nemathelminthes	Kumar Bhunia	05	1 ^{st &} 2 nd Month	
		Unit 10: Protochordates		05	2 nd Month	
		Unit 11: Agnatha		05	3 rd Month	
		Unit 13: Amphibia		05	4 th Month	
		Unit 6: Phylum Annelida	Mr. SuKhamay	10	1 st Month	
		Unit 14: Reptiles	Maity	12	2 nd Month	
		Unit 17: Mammals		10	3 rd Month	
		Unit 2: Phylum Porifera	SK Abul Kasem	08	1 st Month	
		Unit 8: Phylum Mollusca		10	2 nd & 3 rd Month	
		Unit 9: Phylum Echinodermata		08	3 rd Month	
		Unit 12: Pisces		12	3 rd & 4 th month	
	DSC1AP	1.Study of Non chordate museums	Dr. Asit Kr.	12	1 st & 2 nd Month	
	Animal Diversity (Lab)	specimens	Bhattacharyya			
		2. Study of permanent slides	Mr. Ayan	04	2 nd & 3 rd Month	
		3.Identification of poisonous & non-poisonous snakes	kumar Bhunia	04	3 rd & 4 th Month	
Semester-II	DSC1BT	Unit 1: Integumentary System	Dr. Asit Kr.	08	1 st Month	
Semester-II	Comparative	Unit 2: Skeletal System	Bhattacharyya	12	2 nd Month	
	Anatomy & Developmental Biology	Unit 7: Nervous System		12	3 rd & 4 th Month	
		Unit 5: Circulatory System	Mr. Ayan	10	1 st & 2 nd Month	
		Unit 9: Early Embryonic Development	Kumar Bhunia	09	2 nd & 3 rd Month	
		Unit 10: Late Embryonic Development		08	4 th Month	

		Unit 4: Respiratory System Unit 8: Sense Organs Unit 11: Control of Development	Mr. SuKhamay Maity	10 08 09	1 st Month 2 nd & 3 rd Month 3 rd & 4 th Month
		Unit 3: Digestive System Unit 6: Urinogenital System	SK Abul Kasem	12 12	1 st & 2 nd Month 3 rd Month
	DSC1BP Comparative Anatomy & Developmental Biology (Lab)	 Osteology: a) Disarticulated skeleton of fowl and rabbit b) Carapace and plastron of turtle /tortoise Mammalian skulls: One herbivorous and one carnivorous animal 	Dr. Asit Kr. Bhattacharyya	12	1 st & 2 nd Month
		2.Frog - Study of developmental stages3.Study of the different types of	Mr. Ayan Kumar Bhunia Mr. SuKhamay	06	3 rd & 4 th Month 1 st & 2 nd Month
		placenta 5.Examination of gametes - frog/rat	Maity	03	3 rd & 4 th Month
		4.Study of placental development in humans by ultrasound scans	SK Abul Kasem	09	1 st to 4 th Month
Semester-III	DSC1CT Physiology & Biochemistry	Unit 1: Nerve and muscle Unit 2: Digestion Unit 3: Respiration	Dr. Asit Kr. Bhattacharyya	08 06 10	1 st Month 2 nd Month 2 nd &3 rd Month
		Unit 5: Cardiovascular system Unit 6: Reproduction and Endocrine Glands	Mr. Ayan Kumar Bhunia	12 08	1 st & 2 nd Month 2 nd & 3 rd Month
		Unit 9: Protein metabolism Unit 7: Carbohydrate Metabolism Unit 8: Lipid Metabolism	Mr. SuKhamay Maity	10 10 14	3 rd & 4 th Month 1 st & 2 nd Month 2 nd & 3 rd Month
		Unit 4: Excretion Unit 10: Enzymes	SK Abul Kasem	04 05	2 nd Month 3 rd Month
	DSC1CP Physiology & Biochemistry (Lab)	2.Study of permanent histological sections of mammalian pituitary, thyroid,pancreas, adrenal gland 3.Study of permanent slides of spinal cord, duodenum, liver,	Dr. Asit Kr. Bhattacharyya	06 06	1 st Month 2 nd Month

		lung, kidney, bone,cartilage			
		1.Preparation of hemin and hemochromogen crystals	Mr.Ayan Kumar Bhunia	07	1 st Month
		5.Estimation of total protein in given solutions by Lowry's method		06	3 rd Month
		4.Qualitative tests to identify functional groups of carbohydrates	Mr. SuKhamay Maity	12	1 st & 2 nd Month
		6.Study of activity of salivary amylase under optimum conditions	SK Abul Kasem	06	2 nd Month
	SEC-1 Apiculture	Unit 1: Biology of Bees Unit 2: Rearing of Bees	Dr. Asit Kr. Bhattacharyya	03 04	1 st Month 1 st & 2 nd Month
		Unit 3: Diseases and Enemies Unit 4: Bee Economy Unit 5: Entrepreneurship in Apiculture	SK Abul Kasem	04 03 04	2 nd Month 2 nd & 3 rd Month 4 th Month
Semester-IV	DSC1DT Genetics & Evolutionary Biology	Unit 1: Introduction to Genetics Unit 6: History of Life Unit 10: Species Concept	Dr. Asit Kr. Bhattacharyya	06 08 04	1 st Month 2 nd Month 3 rd Month
		Unit 2: Mendelian Genetics and its	Mr. Ayan	10	1 st Month
		Extension Unit 3: Linkage, Crossing Over and	Kumar Bhunia	07	2 nd Month
		Chromosomal Mapping Unit 4: Mutations		09	3 rd Month
		Unit 7: Introduction to Evolutionary Theories	Mr. SuKhamay Maity	10	1 st Month
		Unit 9: Processes of Evolutionary Change	inany	12	2 nd Month
		Unit 12: Extinction		08	3 rd Month
		Unit 5: Sex Determination Unit 8: Direct Evidences of Evolution	SK Abul Kasem	09 07	1 st Month 2 nd Month
	D00122	Unit 11: Macro-evolution		08	3 rd Month
	DSC1DP Genetics & Evolutionary	4.Study of fossil evidences fromplaster cast models and pictures7.Visit to Natural History Museum	Dr. Asit Kr. Bhattacharyya	09 06	1 st & 2 nd Month
	Biology(Lab)	and submission of report		00	

		1. Study of Mendelian inheritance and gene interactions (Non- Mendelian inheritance) Using suitable examples. Verify the results using Chi-square test	Mr. Ayan Kumar Bhunia	06	1 st & 2 nd Month
		2.Study of Linkage, recombination, gene mapping using the data		06	2 nd & 3 rd Month
		3. Study of Human Karyotypes (normal and abnormal).	Mr. SuKhamay Maity	09	1 st & 2 nd Month
		5.Study of homology and analogy from suitable specimens/ pictures Charts: a.Phylogeny of horse with diagram b.Darwin Finches with diagram	SK Abul Kasem	09	1 st & 2 nd Month
	DSE-1T Applied Zoology	Unit 1: Introduction to Host- parasite Relationship	Dr. Asit Kr. Bhattacharyya	08	1 st Month
		Unit 2: Epidemiology of Diseases		08	2 nd Month
		Unit 6: Insects of Economic Importance		09	3 rd Month
		Unit 4: Parasitic Protozoa	Mr. Ayan	09	1 st Month
		Unit 5: Parasitic Helminthes	Kumar Bhunia	08	2 nd Month
		Unit 8: Animal Husbandry		10	3 rd & 4 th Month
		Unit 3: Rickettsiae and Spirochaetes	Mr. SuKhamay Maity	08	1 st Month
		Unit 9: Poultry Farming		07	2 nd Month
		Unit 7: Insects of Medical Importance	SK Abul Kasem	08	1 st Month
		Unit 10: Fish Technology		12	2 nd & 3 rd Month
Semester-V	DSE-1P Applied	1.Study of different parasites through permanent slides	Dr. Asit Kr. Bhattacharyya	09	2 nd Month
	Zoology(Lab)	5.Visit to poultry farm or animal breeding centre		09	3 rd & 4 th Month
		2.Study of arthropod vectors associated with human diseases	Mr. Ayan Kumar Bhunia	09	1 st Month
		3. Study of insect damage to different plant parts/stored grains through damaged products/photographs.	Mr. SuKhamay Maity	09	1 st Month
		4.Identifying feature and economic importance	SK Abul Kasem	09	2 nd Month
		6.Maintenance of freshwater aquarium		12	3 rd & 4 th Month

Semester-VI	DSE-2T	Unit I: Introduction to Insects	Dr. Asit Kr.	09	1 st Month
	Insect, Vector &	Unit V: Siphonaptera as Disease	Bhattacharyya	08	2 nd month
	Diseases	Vectors			
		Unit II: Concept of Vectors	Mr. Ayan	08	1 st & 2 nd Month
		Unit III: Insect as a Vectors	Kumar Bhunia	10	3 rd Month
		Unit IV: Dipteran as Disease	Mr. SuKhamay	15	1 st & 2 nd Month
		Vectors	Maity		
		Unit VII: Hempitera as Disease		15	3 rd & 4 th Month
		Vectors			
		Unit VI: Siphunculata as Disease	SK Abul Kasem	06	1 st Month
		Vectors			
	DSE-2P	1.Study of different kinds of mouth	Mr. Ayan	12	1 st & 2 nd Month
	Insect, Vector &	parts of insects	Kumar Bhunia		
	Diseases(Lab)	2.Study of insect vectors through		12	3 rd & 4 th Month
		permanent slides/ photographs			
		4.Submission of a project report	Mr. SuKhamay	06	1 st & 2 nd Month
		on any one of the insect vectors	Maity		
		and disease transmitted			
		3.Study of different diseases	SK Abul Kasem	09	2 nd & 3 rd Month
		transmitted by insect vectors			
	SEC-4	Unit 1: Introduction to Sericulture	Dr. Asit Kr.	05	2 nd Month
	Sericulture	Unit 2: Biology of Silkworm	Bhattacharyya	07	3 rd Month
		Unit 3: Rearing of Silkworms		06	4 th Month
		Unit 4: Pests and Diseases	SK Abul Kasem	06	3 rd & 4 th Month
		Unit 5: Entrepreneurship in		05	4 th Month
		Sericulture			