

Lesson plan for CBCS Syllabus: Department of Zoology, Muralidhar Girls' College

ODD SEMESTER-GENERAL

SEMESTER ONE GENERAL

Semester	PaperCC/GE-1-1-TH+P.	Unit	Topic	JULY – SEPTEMBER/ OCTOBER- DECEMBER	Faculty Name
SEMESTER ONE GENERAL	Animal diversity	1	Kingdom Protista	July-August	Dr. Surajit Sur
		2, 3, 4, 5	Phylum: Porifera, Cnidaria, Platyhelminthes, Nemathelminthes	July-September/October	Dr. Surajit Sur
		6,7,8	Phylum Annelida, Arthropoda, Mollusca	July-September/October	Stuti Das Mahapatra
		9,10,11	Phylum Echinodermata, Protochordata, Agnatha	November-December	Dr. Surajit Sur
		12,13,14	Class- Pisces, Amphibia, Reptilia Class Aves, Mammalia	November-December November-December	Stuti Das Mahapatra

		15,16		November-December	Dr. Surajit Sur
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SEMESTER THREE GENERAL

Semester	PaperCC/GE-3-3-TH+P.	Unit	Topic	JULY – SEPTEMBER/OCTOBER-DECEMBER	Faculty Name
SEMESTER THREE	Physiology and Biochemistry.	1,2,3	Nerve and muscle, digestion, respiration	July-August	Dr. Surajit Sur
		4,5,10	Cardiovascular system, excretion, enzyme	July- September/October	Stuti Das Mahapatra
		6,7	Reproduction and endocrine glands, carbohydrate metabolism	November-December	Dr. Surajit Sur and Stuti Das Mahapatra
		8,9	Lipid Metabolism, Protein metabolism	November-December	Dr. Surajit Sur

SEMESTER FIVE GENERAL

Semester	Paper DSE-A-5- 1-Applied Zoology	Unit	Topic	JULY – SEPTEMBER/OCTOBER- DECEMBER	Faculty Name
SEMESTER FIVE	Applied Zoology	1,2,3,4	Host and parasite relationship, epidemiology of diseases, parasitic protozoa, parasitic helminth	July-September	Dr. Surajit Sur
		5,6,7,8	Insect of economic importance, insect of medical importance, animal husbandry, poultry farming	August-November	Stuti Das Mahapatra and Dr. Surajit Sur
		9	Fish technology.	December	Dr. Surajit Sur

Semester	Paper	Unit	Topic	JULY – SEPTEMBER/OCTOBER- DECEMBER	Faculty Name

Semester 3 or Semester 5 (General)	G-SEC-A- 3-1- Apiculture	1,2,3	Biology of bees, rearing of bees, disease and enemies	August-October	Dr. Surajit Sur
		4,5	Bee economy, entrepreneurship in apiculture	November-December	Stuti Das Mahapatra
	G-SEC-A- 5-3- Sericulture	1,2,3	Introduction, Biology of silkworm, rearing of silkworm	August-October	Dr. Surajit Sur
		4,5	Pest and diseases, entrepreneurship in sericulture	November-December	Stuti Das Mahapatra

EVEN SEMESTER- GENERAL

SEMESTER TWO GENERAL

Semester	PaperCC/GE- 2-2-TH+P.	Unit	Topic	JANUARY- MARCH/APRIL- JUNE.	FacultyName
SEMESTER TWO	Comparative anatomy and developmental biology	1,2,3,4	Integumentary system, digestive system, respiratory system, circulatory system	January-March	Stuti Das Mahapatra

		5,6,7	Urinogenital system, early embryonic development, late embryonic development	February-May	Dr. Surajit Sur
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SEMESTER FOUR GENERAL

Semester	PaperCC/GE-4-4-TH+P.	Unit	Topic	JANUARY-MARCH/APRIL-JUNE.	FacultyName
SEMESTER FOUR	Genetics and evolutionary biology	1,2,3,4	Mendelian genetics and its extension, linkage and crossing over, mutation, sex determination	January-March	Dr. Surajit Sur
		5,6,7,8	Origin of life, evolutionary theories, process of evolutionary changes, speciation	Februray-April	Stuti Das Mahapatra

SEMESTER SIX GENERAL

Semester	PaperDSE-B-6-1-TH+P.	Unit	Topic	JANUARY-MARCH/APRIL-JUNE.	FacultyName
SEMESTER SIX GENERAL	Biology of insects	1,2,3,4	Introduction to insects, concept of vectors, insect as vectors, dipteran as disease vector	January-March	Dr. Surajit Sur
		5, 6, 7	Siphonaptera as disease vector, Siphunculata as disease vector, hemipetra as disease vector	February-April	Stuti Das Mahapatra

Semester	Paper	Unit	Topic	JULY – SEPTEMBER/OCTOBER- DECEMBER	Faculty Name
Semester Four	ZOOG- SEC(B)- Aquarium fish keeping	1,2,3	Introduction to aquarium fish keeping, biology of aquarium fishes, food and feeding of aquarium fishes	January-March	Dr. Surajit Sur
		4, 5	Fish transportation, maintenance of aquarium	February-April	Stuti Das Mahapatra
Semester Six	ZOOG- SEC(B)-6-4 Medical Diagnosis	1,2,3,4	Diagnostic method for blood analysis,urine analysis, non- infectious disease, infectious disease.	January-March	Dr. Surajit Sur
		5, 6, 7	Clinical biochemistry, clinical microbiology, tumor	February-April	Stuti Das Mahap atra