

Siddhinath Mahavidyalaya

Department of Zoology

Teaching plan of Session 2022-2023

SEM- 1st Paper- GE-1T & GE-1P

Unit / Module	Teacher	No of lectures	To be completed by
Unit-1 Introduction	Pabitra Goswami	02	Tentatively 2 months
Unit-2 Techniques in Gene Manipulation		15	
Lab-1 Preparation of culture media		03	
Lab-2 Packing & sterilization of glass & plastic wares for cell culture		03	
Unit-3 Animal cell culture		09	
Lab-3 Preparation of genomic DNA from E.coli		03	
Lab-4 Plasmid DNA isolation using Agarose gel electrophoresis	Pabitra Goswami	03	Tentatively 2 months
Unit-4 Fermentation		08	
Lab-5 Restriction digestion of lamda DNA using EcoRI & HindIII		03	
Lab-6 Western Blot technique		03	
Unit-5 Transgenic Animal Technology		06	
Lab-7 Southern Hybridization		03	
Lab-8 DNA Fingerprinting, PCR technique		05	
Unit-6 Application in Health		06	
Unit-7 Bio safety Physical & Biological containment	04		

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Teaching plan of Session 2022-2023

SEM- 5th Paper- DSE-1T & DSE-1P

Unit / Module	Teacher	No of lectures	To be completed by
Unit-1 Introduction to Host-Parasite Relationship	Pabitra Goswami	10	Tentatively 2 months
Lab-1 Study of Permanent slides (Part 1)		04	
Unit-2 Epidemiology of Diseases		10	
Lab-2 Study of Permanent slides (Part 2)		04	
Unit-3 Rickettsiae and Spirochaetes		08	
Lab-3 Study of Arthropod vectors		06	
Unit-4 Parasitic Protozoa	Pabitra Goswami	08	Tentatively 3 months
Lab-4 Identifying Features of several parasites		04	
Unit-5 Parasitic Helminthes		08	
Lab-5 Study of insects damage to different plant parts		04	
Lab-6 Maintenance of Freshwater aquarium		03	
Unit-6 Insects of Economic Importance		07	
Unit-7 Insects of Medical Importance		10	
Lab-7 Submission of project Report		04	
Unit-8 Animal Husbandry		08	
Unit-9 Poultry Farming		10	
Unit-10 Fish Technology	10		