

DEPARTMENT OF INDUSTRIAL FISH AND FISHERIES
LESSION PLAN
SESSION 2023-24
SEMESTER – I

NAME OF TEACHER: TINKEY ACHARYA

PAPER ALLOTTED: FSDSC01T , FSDSC01P , FSSE-1

Month	Paper	Content	No of classes
August 08.08.2023	FSDSC01T	External features used for taxonomic identification of <i>Macrobrachium rosenbergii</i>, <i>Penaeus monodon</i> and <i>Scylla serrata</i>.	6
	FSDSC01P	Identification of some important fish species (<i>Scoliodon</i> sp., <i>Dasyatis</i> sp., <i>Labeo rohita</i>, <i>Cirrhinus mrigala</i>, <i>Gibelion catla</i>, <i>Clarias magur</i>, <i>Heteropneustes fossilis</i>, <i>Puntius sophore</i>; <i>Anabas testudineus</i>).	6
September 2023	FSDSC01T	External features used for taxonomic identification of <i>Macrobrachium rosenbergii</i>, <i>Penaeus monodon</i> and <i>Scylla serrata</i>.	2
	FSDSC01P	Identification of shellfish (<i>Macrobrachium rosenbergii</i>, <i>Scylla serrata</i> and <i>Lamellidense marginalis</i>).	3
	FSSE-1	Different types of aquarium fish feed; Common ornamental fish disease and their treatment	4
October 2023	FSDSC01T	Specialized organs in fishes - electric organs, weberian ossicles and poison gland.	4
		PUJA VACATION (19.10.2023 to 15.11.2023)	
November 2023	FSSE-1	Different types of aquarium fish feed; Common ornamental fish disease and their treatment.	6
December 2023		Revision classes Class tests	
January 2024		Internal Examination & Class for Slow Learners	
April 2024		End Semester Examination	

		Total Classes	25
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NAME OF TEACHER: DR. NANDITA MUKHERJEE

PAPER ALLOTTED: FSDSC01T , FSDSC01P , FSSE-1

Month	Paper	Content	No of classes
August 08.08.2023	FSDSC01T	Basic methods used in taxonomic studies - morphometric, meristic and descriptive characteristics.	5
	FSDSC01P	Morphometric and meristic study of <i>Labeo</i> sp. and Tilapia.	4
September 2023	FSDSC01T	General characteristics of elasmobranchs and teleosts with examples.	8
	FSSE-1	Water quality management and maintenance; Different varieties of ornamental fishes.	4
October 2023	FSDSC01T	General characteristics of elasmobranchs and teleosts with examples.	2
		PUJA VACATION (19.10.2023 to 15.11.2023)	
November 2023	FSDSC01T	Adaptations for swimming, body forms, fins; Structure and function of skin and mucous layer.	4
December 2023		Revision classes Class tests	
January 2024		Internal Examination & Class for Slow Learners	
April 2024		End Semester Examination	
		Total Classes	27

NAME OF TEACHER: DR. DIBYENDU DUTTA

PAPER ALLOTTED: FSDSC01T , FSDSC01P , FSSE-1

Month	Paper	Content	No of classes
August 08.08.2023	FSDSC01T	Importance of taxonomy; Types of classification - phenetic, natural, cladistics and evolutionary classification; Zoological Nomenclature - International Code of Zoological Nomenclature.	6
	FSDSC01P	Morphometric and meristic study of <i>Labeo</i> sp. and Tilapia.	4
September 2023	FSDSC01T	Typification - Allotype, Holotype, Lectotype, Paratype and Syntype.	4
	FSSE-1	Setting up of aquarium: Selection of substrate and fish species, species combination.	5
October 2023	PUJA VACATION (19.10.2023 to 15.11.2023)		
November 2023	FSDSC01T	Different types of scales; Sense organs in fishes - organs of smell, taste buds, lateral line system, Ampullae of Lorenzini.	8
December 2023		Revision classes Class tests	
January 2024		Internal Examination & Class for Slow Learners	
April 2024		End Semester Examination	
		Total Classes	27

NAME OF TEACHER: AJANTA LAHIRI

PAPER ALLOTTED: FSDSC01T , FSDSC01P , FSSE-1

Month	Paper	Content	No of classes
August 08.08.2023	FSDSC01T	General features of gastropods, bivalves and cephalopods.	5
	FSDSC01P	Identification of some important fish species (<i>Scoliodon</i> sp., <i>Dasyatis</i> sp., <i>Labeo rohita</i> , <i>Cirrhinus mrigala</i> , <i>Gibelion catla</i> , <i>Clarias magur</i> , <i>Heteropneustes fossilis</i> , <i>Puntius sophore</i> ; <i>Anabas testudineus</i>).	6

September 2023	FSDSC01T	Taxonomic features of mussels, oyster, clams and scallops.	6
	FSDSC01P	Identification of shellfish (<i>Macrobrachium rosenbergii</i> , <i>Scylla serrata</i> and <i>Lamellidense marginalis</i>).	3
October 2023	FSSE-1	Basic concept of aquarium; Types of aquarium; Design and construction of all glass aquarium; Aquarium accessories: aerator, pump, filter, decor, thermostat, thermometer, feeding equipments	5
	FSDSC01T	Parental care in fish; Migration in fishes and orientation; Fish coloration; Bioluminescence in fish.	4
PUJA VACATION (19.10.2023 to 15.11.2023)			
November 2023		Revision classes	
December 2023		Revision classes Class tests	
January 2024		Internal Examination & Class for Slow Learners	
April 2024		End Semester Examination	
		Total Classes	32