

ACADEMIC PLANNER & UNITIZATION OF SYLLABUS

Department of Zoology

Bankura Christian College

ACADEMIC YEAR 2023-24 (Semester 1st)

1st Semester (July to December)

Name: Sri Avisek Patra

MAJOR - 1

Theory

Unit 1: Introduction

Coelom: Types, Evolution and significance

Unit 2: Basics of Animal Classification

1. Definitions: Classification, Systematics and Taxonomy: Taxonomic Hierarchy, Taxonomic types
2. Codes of Zoological Nomenclature; Principle of priority; Synonymy and Homonymy; Six kingdom concept of classification (Carl Woese).

Unit 6: Platyhelminthes

General characteristics and classification up to classes

Unit 13: Hemichordata

1. General characteristics of phylum Hemichordata.
2. Evolutionary significance of Hemichordates

Practical

1. Identification of following specimen
Chiton, Pinctada, Octopus, Nautilus,
2. Identification of T.S. through pharynx, gizzard, and typhlosolar intestine of earthworm
3. Dissection of digestive system and nervous system of earthworm
4. Dissection of reproductive system of earthworm

MONTH/YEAR	WEEK	THEORY PORTIONS (MAJOR-1)	PRACTICAL PORTIONS (MAJOR-1)
		Class 1	Class 2
August 2023	2	Coelom: Types, Evolution and significance	Identification of following specimen <i>Chiton, Pinctada, Octopus, Nautilus</i>
	3	Definitions: Classification, Systematics and Taxonomy: Taxonomic Hierarchy	Practice of Identification of <i>Chiton, Pinctada, Octopus, Nautilus</i>
	4	Definitions: Classification, Systematics and Taxonomy: Taxonomic Hierarchy	Dissection of digestive system of earthworm
September 2023	1	Taxonomic types	Practice of dissection of digestive system of earthworm
	2	Codes of Zoological Nomenclature	Dissection of nervous system of earthworm

	3	Codes of Zoological Nomenclature	Practice of dissection of nervous system of earthworm
	4	Principle of priority; Synonymy and Homonymy;	Dissection of reproductive system of earthworm
	5	Class Test	Practice dissection of reproductive system of earthworm
MONTH/YEAR	WEEK	PORTIONS	PORTIONS
October 2023	1	Six kingdom concept of classification (Carl Woese)	Identification of T.S. through pharynx, gizzard, and typhlosolar intestine of earthworm
	2	Six kingdom concept of classification (Carl Woese)	Practice of Identification of T.S. through pharynx, gizzard, and typhlosolar intestine of earthworm
MONTH/YEAR	WEEK	PORTIONS	PORTIONS
November 2023	1	General characteristics of Platyhelminthes	Laboratory notebook check
	3	Classification of Platyhelminthes up to classes	Practice of Identification
	4	General characteristics of phylum Hemichordata.	Test of Identifications
	5	Evolutionary significance of Hemichordates	Practice of dissections
December 2023	2	Question Answer session	Laboratory notebook check
	3	Student Seminar	Practice of Identification
	4	Student Seminar	Demo Test of Practical Examination
	5	Question Answer session	Final Laboratory notebook check