

ACADEMIC PLANNER & UNITIZATION OF SYLLABUS

Department of Zoology

Bankura Christian College

ACADEMIC YEAR 2023-24 (Semester 1st)

1st Semester (July to December)

Name: Dr. Chandranath Chatterjee

MAJOR - 1

Theory

Unit 5: Cnidaria

1. General characteristics and classification up to classes
2. Metagenesis in *Obelia*
3. Corals and coral reef diversity, function & conservation

Unit 10: Onychophora

General characteristics and Evolutionary significance of *Peripatus*

Unit 11: Mollusca

1. General characteristics and Classification up to classes
2. Nervous system and torsion in Gastropoda

Practical

CC:

1. Identification of following specimen
Amoeba, Euglena, Paramecium, Sycon
5. Dissection: digestive system and nervous system of Cockroach
6. a. Mounting of mouth parts of Cockroach

MONTH/YEAR	WEEK	THEORY PORTIONS (MAJOR-1)	PRACTICAL PORTIONS (MAJOR-1)
		Class 1	Class 2
August 2023	2	General characteristics of Cnidaria	Identification of following specimen <i>Amoeba, Euglena, Paramecium, Sycon</i>
	3	Classification of Cnidaria up to classes	Practice of Identification of <i>Amoeba, Euglena, Paramecium, Sycon</i>
	4	Metagenesis in <i>Obelia</i>	Dissection of digestive system of Cockroach
September 2023	1	Corals and types of coral reef	Practice of dissection of digestive system of Cockroach
	2	Corals and coral reef diversity, function & conservation	Mounting of mouth parts of Cockroach
	3	General characteristics of <i>Peripatus</i>	Practice of Mounting of mouth parts of Cockroach

	4	Evolutionary significance of <i>Peripatus</i>	Test of Identifications
	5	Class Test	Laboratory notebook check
MONTH/YEAR	WEEK	PORTIONS	PORTIONS
October 2023	1	General characteristics of Mollusca	Practice of dissection
	2	Classification of Mollusca up to classes	Practice of dissection
MONTH/YEAR	WEEK	PORTIONS	PORTIONS
November 2023	1	Nervous system in Gastropoda	Laboratory notebook check
	3	Torsion in Gastropoda	Practice of Identification
	4	Question Answer session	Practice of Identification
	5	Student Seminar	Demo Test of Practical Examination
December 2023	2	Student Seminar	Final Laboratory notebook check
	3	Question Answer session	

MINOR -1

Unit 5: Cnidaria

1. General characteristics and classification up to classes
2. Metagenesis in *Obelia*
3. Corals and coral reef diversity, function & conservation

Unit 10: Onychophora

General characteristics and Evolutionary significance of *Peripatus*

Unit 11: Mollusca

1. General characteristics and Classification up to classes
2. Nervous system and torsion in Gastropoda

MONTH/YEAR	WEEK	THEORY PORTIONS (MINOR-1)
		Class 1
August 2023	2	General characteristics of Cnidaria
	3	Classification of Cnidaria up to classes
	4	Metagenesis in <i>Obelia</i>
September 2023	1	Corals and types of coral reef
	2	Corals and coral reef diversity, function & conservation
	3	General characteristics of <i>Peripatus</i>
	4	Evolutionary significance of <i>Peripatus</i>
	5	Class Test
MONTH/YEAR	WEEK	PORTIONS
October 2023	1	General characteristics of Mollusca
	2	Classification of Mollusca up to classes
MONTH/YEAR	WEEK	PORTIONS
November 2023	1	Nervous system in Gastropoda
	3	Torsion in Gastropoda
	4	Question Answer session
	5	Student Seminar
December 2023	2	Student Seminar
	3	Question Answer session

Unit 3: Rearing of Silkworms

Types of mountages

Spinning, harvesting and storage of cocoons

Unit 5: Entrepreneurship in Sericulture

Prospectus of Sericulture in India: Sericulture industry in different states, employment, potential in mulberry and non-mulberry sericulture

Visit to any sericulture center.

MONTH/YEAR	WEEK	THEORY PORTIONS (MINOR-1)
		Class 1
August 2023	2	Rearing of Silkworms & Types of mountages
	3	Spinning, harvesting and storage of cocoons
	4	Spinning, harvesting and storage of cocoons
September 2023	1	Prospectus of Sericulture in India
	2	Sericulture industry in different states
	3	employment, potential in mulberry and non-mulberry sericulture
	4	Question Answer session
	5	Question Answer session
MONTH/YEAR	WEEK	PORTIONS
October 2023	1	Class Test
	2	Doubt Clearing
MONTH/YEAR	WEEK	PORTIONS
November 2023	1	Student Seminar
	3	Student Seminar
	4	Student Seminar
	5	Student Seminar
December 2023	2	Student Seminar
	3	Question Answer session