

ACADEMIC PLANNER & UNITIZATION OF SYLLABUS

Department of Zoology

Bankura Christian College

ACADEMIC YEAR 2023-24 (Semester 3rd)

3rd Semester (July to December)

Name: Dr. Chandranath Chatterjee

Hons:

Theory

C-6

Unit 3: Nervous System

Structure of neuron, resting membrane potential, Origin of action potential and its propagation across the myelinated and unmyelinated nerve fibers; Types of synapse. Synaptic transmission and Neuromuscular junction

Unit 5: Reproductive System

Histology of testis and ovary Physiology of Reproduction

C-7

Unit 4: Nucleic Acids

1. Structure: Purines and pyrimidines, Nucleosides, Nucleotides, Nucleic acids
2. Types of DNA and RNA, Complementarity of DNA, Hypo- Hyperchromaticity of DNA
3. Basic concept of nucleotide metabolism

THEORY

MONTH/YEAR	WEEK	Portions	Status
August 2023	4	Structure of neuron & Resting membrane potential	Completed
	5	Origin of action potential and its propagation across the myelinated and unmyelinated nerve fibers	Completed
MONTH/YEAR	WEEK	PORTIONS	
September 2023	1	Types of synapse. Synaptic transmission & Neuromuscular junction	Completed
	2	Class Test	Not Done
	3	Histology of testis & ovary	Not done due to Unavailability of students
	4	Physiology of Reproduction	Not done due to Unavailability of students
	5	Structure: Purines and pyrimidines, Nucleosides, Nucleotides,	Completed
MONTH/YEAR	WEEK	PORTIONS	
October 2023	1	Nucleic acids	Completed
	2	Types of DNA and RNA	Completed

MONTH/YEAR	WEEK	PORTIONS	
November2023	1	Complementarity of DNA, Hpyo- Hyperchromaticity of DNA	Completed
	2	Basic concept of nucleotide metabolism	Completed
	5	Questioning and Doubt clearing	Completed
MONTH/YEAR	WEEK	PORTIONS	
December2023	1	Revision	Done
	2	Final Class Test	Done
	3	Result and Discussion	Done

Practical**C-6**

2. Preparation of temporary mounts: Squamous epithelium, Striated muscle fibres and nerve cells.

MONTH/YEAR	WEEK	PORTIONS	Status
August 2023	5	Preparation of temporary mounts: Squamous epithelium	Completed
MONTH/YEAR	WEEK	PORTIONS	
September 2023	1	Practice of Preparation of temporary mounts: Squamous epithelium	Completed
	2	Preparation of temporary mounts: Striated muscle fibres	Completed
	3	Practice of Preparation of temporary mounts: Striated muscle fibres	Completed
	4	Preparation of temporary mounts: nerve cells	Completed
	5	Practice of Preparation of temporary mounts: nerve cells	Completed
MONTH/YEAR	WEEK	PORTIONS	
October 2023	1	Laboratory notebook check	Completed
	2	Laboratory notebook check	Completed
MONTH/YEAR	WEEK	PORTIONS	
November 2023	1	Practice of Practical	Completed
	2	Test of Practical's	Done
	5	Doubt Clearing	Done
MONTH/YEAR	WEEK	PORTIONS	
December 2023	1	Demo Test of Practical Examination	Done
	2	Result and discussion	Done
	3	Final Laboratory notebook check	Completed