

# ACADEMIC PLANNER & UNITIZATION OF SYLLABUS

Department of Zoology

**Bankura Christian College**

ACADEMIC YEAR 2023-24 (**Semester 3<sup>rd</sup>**)

3<sup>rd</sup> Semester (July to December)

**Name: Sri Avisek Patra**

**Hons:**

**Theory**

## C-5

### **Unit 1: Introduction to Chordates**

Concept of Phylum Chordata

### **Unit 2: Protochordata**

1. General characteristics and classification of sub-phylum Urochordata and Cephalochordata up to Classes.

2. Retrogressive metamorphosis in *Ascidia*.

3. Chordate Features and Feeding in *Branchiostoma*

### **Unit 6: Amphibia**

1. General characteristics and classification up to living Orders.

2. Metamorphosis and parental care in Amphibia

### **Unit 7: Reptilia**

1. General characteristics and classification up to living Orders.

2. Poison apparatus and Biting mechanism in Snake

## C-6

### **Unit 1: Tissues**

Classification, structure and functions of epithelial tissue, connective tissue, muscular tissue and nervous tissue

### **Unit 2: Bone and Cartilage**

Structure and types of bones and cartilages

## THEORY

THEORY			
MONTH/ YEAR	WEEK	PORTIONS (C-5)	PORTIONS (C-6)
		Class 1	Class 2
August 2023	4	Concept of Phylum Chordata	Classification, structure and functions of epithelial tissue
	5	Chordate Features and Feeding in <i>Branchiostoma</i>	Classification, structure and functions of epithelial tissue
MONTH/ YEAR	WEEK	PORTIONS	PORTIONS

<b>September 2023</b>	1	General characteristics and classification of sub-phylum Urochordata	Classification, structure and functions of epithelial tissue
	2	Retrogressive metamorphosis in <i>Ascidia</i> .	connective tissue
	3	General characteristics and classification of sub-phylum Cephalochordata up to Classes	connective tissue
	4	Class Test	muscular tissue
	5	General characteristics and classification up to living Orders.	nervous tissue
<b>MONTH/ YEAR</b>	<b>WEEK</b>	<b>PORTIONS</b>	<b>PORTIONS</b>
<b>October 2023</b>	1	Metamorphosis in Amphibia	Structure and types of bones
	2	Parental care in Amphibia	Structure and types of bones
<b>MONTH/ YEAR</b>	<b>WEEK</b>	<b>PORTIONS</b>	<b>PORTIONS</b>
<b>November 2023</b>	1	General characteristics and classification up to living Orders	Structure and types of cartilages
	2	Poison apparatus and Biting mechanism in Snake	Structure and types of bones and cartilages
	5	Questioning and Concept check	Questioning and Concept check
<b>MONTH/ YEAR</b>	<b>WEEK</b>	<b>PORTIONS</b>	<b>PORTIONS</b>
<b>December 2023</b>	1	Questioning and Doubt clearing	Questioning and Doubt clearing
	2	Class Test	Class Test
	3	Result and Discussion	Result and Discussion

**Practical**

**C-5**

Dissection of brain and pituitary of Carp

**C-6**

3. Study the enzymatic activity of salivary amylase (Effect of temperature)

<b>MONTH/YEAR</b>	<b>WEEK</b>	<b>PORTIONS</b>
August 2023	5	Study the enzymatic activity of salivary amylase (Effect of temperature)
<b>MONTH/YEAR</b>	<b>WEEK</b>	<b>PORTIONS</b>
September 2023	1	Practice of Study the enzymatic activity of salivary amylase (Effect of temperature)
	2	Practice of Study the enzymatic activity of salivary amylase (Effect of temperature)
	3	Dissection of brain and pituitary of Carp
	4	Practice of Dissection of brain and pituitary of Carp
	5	Practice of Dissection of brain and pituitary of Carp
<b>MONTH/YEAR</b>	<b>WEEK</b>	<b>PORTIONS</b>
October 2023	1	Laboratory notebook check
	2	Laboratory notebook check
<b>MONTH/YEAR</b>	<b>WEEK</b>	<b>PORTIONS</b>
November 2023	1	Practice of Practical
	2	Test of Practical's
	5	Doubt Clearing
<b>MONTH/YEAR</b>	<b>WEEK</b>	<b>PORTIONS</b>
December 2023	1	Demo Test of Practical Examination
	2	Result and discussion
	3	Final Laboratory notebook check