

## Odisha Board Class 11 Zoology Practical Syllabus

### **BIOLOGY - I (Zoology) Practical +2 First year Science**

#### **Detailed Syllabus**

##### **A. EXPERIMENTS/ OBSERVATIONS:**

1. To test the presence of carbohydrate, protein and fat in suitable animal materials (qualitative only).
2. To test the presence of urea in urine/ given sample solution.
3. To test the presence of albumin in urine/ given sample solution.
4. To test the presence of bile salts in urine/ given sample solution.

##### **B. SPOTTINGS/ IDENTIFICATION:**

- a. Study of specimens and identification with reasons- Amoeba, Hydra, Sycon, Liver fluke, Earthworm, Leech, Cockroach, Prawn, silkworm, Honeybee, Snail and Starfish.
- b. Study of squamous epithelium, muscle fibres and mammalian blood film; stages of mitosis and meiosis (temporary/ permanent slides).
- c. Study and comment on the morphological adaptations of two animals (Tree frog, Bat) found in terrestrial conditions and two animals (Flying fish, Turtle) found in aquatic conditions.

##### **Book Recommended:**

Bureau's Higher Secondary (+2) Zoology, Practical, Published by Odisha State Bureau of Text Book Preparation and Production, Bhubaneswar.