

Odisha Board Class 12 Zoology Practical Syllabus

BIOLOGY - II (Zoology) Practical +2 Second year Science Detailed Syllabus

A. EXPERIMENTS/ OBSERVATIONS:

1. To test the action of salivary amylase on starch; study the effects of pH and temperature on it.
2. To test the presence of urea sugar in urine/ given sample solution.
3. To determine the pH of three water samples collected from water bodies (using pH paper).
4. To study the prepared pedigree charts of genetic traits in man such as rolling of tongue, blood groups, widow's peak and colour blindness.

B. SPOTTINGS/ IDENTIFICATION:

- a. Study of specimens and identification with reasons- Shark, Rohu, Frog, Garden lizard, Cobra, Krait, Pigeon and Rat.
- b. TS/ VS through spinal cord, ovary, testis, artery, vein, kidney, stomach and blastula of frog.
- c. Axial and appendicular skeleton of rabbit (excluding skull).
- d. Identification of common disease causing organisms- Entamoeba, Plasmodium, Taenia, Ascaris and Ringworm (permanent slides/ specimens). Comment on the symptoms of the diseases they cause.

Book Recommended:

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