

Course Code	Course Name	Credits
26ZY157	APPLIED ZOOLOGY LAB	02

Objective

To provide practical knowledge on applied aspects of zoology including aquaculture, apiculture, sericulture, vermiculture, poultry and pest management.

Practicals

1. Identification of cultivable freshwater fishes and shellfishes.
2. Study of fish breeding and hatchery management techniques.
3. Observation of fish feed preparation and feeding methods.
4. Study of aquarium construction and ornamental fish maintenance.
5. Identification of honey bee species and bee colony organization.
6. Study of bee keeping equipment and apiary management.
7. Observation of honey extraction and processing methods.
8. Identification of silkworm species and life cycle stages.
9. Study of sericulture equipment and rearing methods.
10. Observation of mulberry cultivation and silkworm diseases.
11. Preparation of vermicompost using earthworms.
12. Identification of earthworm species used in vermiculture.
13. Study of poultry breeds and poultry farm management.
14. Observation of poultry feed formulation and incubation methods.
15. Identification of agricultural pests and stored grain pests.
16. Study of biological control agents and pest management methods.
17. Observation of dairy farm management practices.
18. Identification of economically important parasites and vectors.
19. Field visit to fish farm, apiary, sericulture or poultry unit.
20. Preparation of field report and maintenance of practical records.

Students are required to perform and record at least eight experiments in the laboratory manual as part of the course requirements.