

Devchand College Arjunnagar

Department of Zoology

Course outcomes

B.Sc. I

1. Student could understand the Animal Diversity of the non- chordates from kingdom Protista to phylum Echinodermata.
2. Student could understand the animal physiology of nerve and muscles, Physiology of Digestion, Physiology of Respiration, Physiology of excretion, and physiology of Cardio vascular system.
3. Students could understand the Cell Biology - cell structure, chromosomes & Evolutionary Biology – History of life, Evolutionary theories & Extinction
4. Students could understand the Genetics – Mendelian genetics, Linkages and Crossing over, mutation & Sex determination.
5. Students acquired the skill to prepare plaster cast model to study fossil evidences.
6. Students leaned hematological techniques.
7. Students can use the skills in a pathological laboratories.
8. Decorative coatings of walls, selling as well as moulding and casting.

B.Sc. II

1. Students could understand the Animal Diversity from Protochordates to Mammals.
2. Students could understand the Biochemistry of Nucleic Acids, Carbohydrates, Protein & Lipid Metabolism and Enzymes.
3. Students could understand about the Reproductive Physiology - Male & Female Reproductive Systems & about Reproductive Health
4. Students could understand the Applied Zoology – Diseases, Economic importance of insects, poultry farming.
5. Student could understand the surgical techniques and techniques related with applied zoology i.e. poultry farming.
6. Student can use their knowledge in surgical centers.
7. They can build up their own poultry farms.

B.Sc. III

1. Students could understand the Functional anatomy of Non- Chordates Protozoa up to Echinodermata.
2. Students could understand Biostatistics, Bioinformatics and Medical Zoology
3. Students could understand Molecular Biology, Biotechnology and Bio techniques

4. Students could understand the Endocrinology, Environmental Biology & Toxicology.
5. Students could understand the Comparative anatomy of vertebrates, Developmental biology, Physiology & Applied Zoology.
6. Student can acquired skill of microtechniques.
7. Student can acquired skills related to physiology i.e. Blood pressure, Hemoglobin, ESR and Blood cell count.
8. They use their knowledge in pathological laboratories and clinics.
9. Student can build poultry farming, goat farming.
10. Student can build small scale business in fisheries, dairy and in sericulture.

Programme outcome

PO1 - Students gain knowledge and skill in the fundamentals of animal sciences and understands the complex interactions among various living organisms

2. PO2 – Analyze complex interactions among the various animals of different phyla, their distribution and their relationship with the environment.

3. PO3 – Apply the knowledge of internal structure of cell, its functions in control of various metabolic functions of organisms

. 4. PO4 – Understands the complex evolutionary processes and behavior of animals

5. PO5 – Correlates the physiological processes of animals and relationship of organ systems.

6. PO6 – Understanding of environmental conservation processes and its importance, pollution control and biodiversity and protection of endangered species

7. PO7 – Gain knowledge of Agro based Small Scale industries like sericulture, fish farming, poultry farming and vermin compost preparation.

8. PO8 – Understands about various concepts of genetics and its importance in human health

10. PO10 – Apply the knowledge and understanding of Zoology to one's own life and work

11. PO11 – Develops empathy and love towards the animals.

Program Specific Outcomes:

1. PSO1. Understand the nature and basic concepts of cell biology, genetics, taxonomy, physiology, ecology and applied Zoology.

2. PSO2. Analyse the relationships among animals.

3. PSO3. Perform procedures as per laboratory standards in the areas of Taxonomy, Physiology, Ecology, Cell biology, Genetics, Applied Zoology, Clinical science, tools and techniques of Zoology, Toxicology, apiculture, biochemistry, biotechnology, fisheries ,Understand the applications of biological sciences in Apiculture, Aquaculture.

5. PSO5. Gains knowledge about research methodologies, effective communication and skills of problem solving methods

6. PSO6.Contributes the knowledge for Nation building.