

## **M.Sc. Zoology**

### **ABOUT THE COURSE**

The course provides the students an in depth knowledge of different branches of Zoology including Animal Diversity, Biochemistry, Biological Tools and Techniques, Cell Biology, Developmental Biology, Endocrinology, Entomology, Evolution, Microbiology, Parasitology, Reproductive biology and Wildlife biology etc. The syllabus is designed in a manner to prepare students for various competitive examinations in their domain. In the last semester, we offer several elective courses to the students so that they can choose to specialize in the specific area of their interests in Zoology. During M.Sc, the students are also offered one project/dissertation work which includes an original piece of research work that is to be published in good journals with the aim to enhance the research aptitude in our students.

An all-round development of students is very important and hence we encourage them to participate in both academic and extracurricular activities. A vast array of academic activities like guest lectures by eminent scientists, seminars, conferences, workshops, webinars, lab visits, educational trips and career counselling sessions are organized by the department throughout the year in order to complement the classroom teaching.

**SPECIALIZATION:** Immunology, Genetics, Animal Physiology, Fish biology.

**COURSE DURATION:** 2 years (Semester System).

### **ELIGIBILITY**

**Bachelor's degree** with **Zoology** as major subject or any other subject according to CBCS/NEP recommended by UGC with a minimum of 50% marks (45% for SC/ST) in aggregate from a recognized Institute/ University. Candidate should have qualified minimum of 24 credits in the chosen specialization at the undergraduate level.

**COURSE FEE:** 25,000/- INR per semester

### **FACILITIES**

The Departmental laboratories include a wet laboratory for setting up and performing experiments and a dry laboratory having equipments such as Dissecting Microscopes, Microscope with digital camera, Water Bath, Microtome, Slide Warming Table, Biosafety Cabinet, BOD incubator with Shaker, Hot Air Oven, Autoclave etc. In the laboratories, students do a wide range of experiments to reinforce their understanding in the disciplines provided.

### **CAREER OPPORTUNITIES**

M.Sc. in Zoology helps the students to gain knowledge and skill in the fundamentals of animal science as well as to understand the complex interactions among various living organisms. A postgraduate degree in Zoology opens a vast range of career opportunities in the field such as

- Teaching and Research,
- Forensics,
- Indian Forest Services,
- Indian Administrative Services,
- Zoo and museum curators,

- Wildlife rehabilitators and conservationists,
- Research Project assistants,
- Medical laboratories,
- Hatcheries,
- Agricultural departments,
- Scientific civil services,
- Environment or ecosystem management sector,
- Environmental consulting firms, and so on
- Research in India and abroad.

In addition, M.Sc in Zoology also plays a crucial role in developing entrepreneurial skill on Agro based Small Scale industries like Sericulture, Lac culture, Fish culture and farming, Pearl culture etc.