

## B.Sc. General in Zoology

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### Programme Specific Outcome

1. Understand the nature and basic concepts of cell biology, genetics, taxonomy, physiology, ecology and applied Zoology.
2. Analyse the relationships among animals with their ecosystems
3. 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, Sericulture, Biochemistry, Fish biology, Animal biotechnology, Immunology and research methodology.
4. Understand the applications of Zoology in Agriculture, Medicine and daily life.
5. Gains knowledge about research methodologies, effective communication and skills of problem solving methods . Students will be able to demonstrate proficiency in the experimental techniques and methods of analysis appropriate for their area of specialization within biology
6. - Contributes the knowledge for Nation building

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Course code	Course Name	Course Outcome
ZOOGCC01	Animal diversity	Knowledge about general characters and classification of non-chordate group; Special identifying features about unique characters in respective non-chordate group is highlighted; practical- Study of chordate specimens and permanent slides of species oriented characters.
ZOOGCC02	Comparative anatomy and Developmental Biology of vertebrates	Study of comparative anatomy and embryonic development of vertebrates and demonstration of vertebrate skeletal structures.
ZOOGCC03	Physiology and Biochemistry	Enlightenment about the various physiological functions of human body and practice and preparation of tissue slides.
ZOOGCC04	Genetics and Evolutionary Biology	Study of human genetics and evolutionary biology along with speciation concept. practice of inheritance of gene interaction and human karyotyping.
ZOOGSE01	Apiculture	Study of life cycle of bees and bee economy,
ZOOGSE02	Aquarium fish Keeping	Knowledge about aquarium fishes and their rearing and maintenance.
ZOOGSE03	Medical Diagnostics	Enlightment on diagnostic methods for study of blood, urine and types of diseases.
ZOOGSE04	Sericulture	Study of biology, rearing and economy of silkworms.
ZOOGDS01	Applied Zoology or Aquatic Biology or Immunology	Knowlwdge about epidemiology of diseases, parasitic interactions along with their life cycle and animal farming technology or study of different types of aquatic biomes and management of aquatic resources or overview of immune system and its role in health and disease.
ZOOGDS02	Animal Biotechnology or Reproductive Biology or Insect, Vector and Diseases	Study of molecular techniques in gene manupulaion or study of functional anatomy of male and female reproduction or study of various groups of insects and their role as vectors.