

Programme Outcome: B.Sc. Medical (Zoology)

Department of Zoology	<p>The main learning objectives of the department is to provide skills that instills deep interest in biological science for the benefit of society and ability in youth to have understanding of basic Zoology with effective communication. To impart knowledge about co-existence of various forms of living organisms ranging from unicellular to multicellular animals.</p> <p>After completion of these courses students should be able to:</p> <ol style="list-style-type: none"> 1. Students can pursue higher education in the different fields such as Zoology, Biotechnology, Forestry, Entomology, Taxonomy & Systematics, Animal Physiology etc. 2. Students have bright future to join DRDO, ZSI, CSIR-IARI, FRI, CRME, VCRC, WII, AFMC etc as scientist after completing graduation.
B.Sc. (Zoology) Part-I (Semester-I and II)	
Course	Outcome
<p>Paper- I: Cell Biology</p> <p>Paper-II : Non Chordates</p>	<ol style="list-style-type: none"> 1. Understand the main distinguishing characters between plant cell and animal cell. 2. Study the nature and basic concept of cell biology, cell structure, cell composition, cell organelles, interaction of cells with other cells and the larger environment in which they exist. 3. To acquaint the students with the non- chordates i.e. Annelids, Arthropoda and Mollusca, Onychophora and Echinodermata etc. and study their functional anatomy. 4. To enable the students to understand the difference in their morphology and general anatomy and to classify and study their general characters.
<p>Paper-III : Ecology</p> <p>Paper-IV : Chordates</p>	<ol style="list-style-type: none"> 1. Learners will be able to describe the various biological interactions and relation between abiotic and biotic factors, different types of pollution and their management strategies. 2. To understand the dominance of Arthropods and their association with human welfare in a number of ways. 3. Students get knowledge how to describe unique characters and recognize life functions of different

	phylums.
B.Sc. (Zoology) Part-II (Semester-III and IV)	
Course	Outcome
Paper-III : Chordates-I Paper-IV: Chordates-II & Evolution	<ol style="list-style-type: none"> 1. To impart knowledge about origin, taxonomic classification, structure, functions of chordates and the basic characters, advancements, adaptations of different types of vertebrates. 2. Students will be enriched with study of evolution of life on earth and theories in evolutionary biology. It also aims to educate the students about phylogeny and its population genetics.
Paper-III : Biochemistry Paper-IV : Animal Physiology	<ol style="list-style-type: none"> 1. Students will be able to understand the mechanism that works to keep the human body functioning, interaction and interdependence of physiological and various biochemical processes, mechanism and functioning action of hormones. 2. To acquaint the students with the chemical properties, structures and biological significance of macromolecules of physiological importance.
B.Sc. (Zoology) Part-III (Semester-V and VI)	
Course	Outcome
Paper-III: Developmental Biology Paper-IV : Genetics	<ol style="list-style-type: none"> 1. Students will have acquaintance with the basic causes associated with inborn errors and other genetic disorder and will be able to give counseling to general people. 2. Learners will able to describe the concept of population genetics, Sex linked inheritance, gene interactions and their role in medical sciences.
Paper-III : Economic Entomology Paper-IV : Pest Management	<ol style="list-style-type: none"> 1. With the introduction of the concept of IPM enables the learners to understand the advanced methods of biological control of insect population. 2. Identification of the different species of insect pests, nature of damage caused, ecology and life history of these insect pests helps to understand the practical application of pesticides and their proper use. 3. By learning the basic concepts, techniques and tools used in apiculture, sericulture, lac culture enables the learners to initiate new start ups.

