



Programme Outcome

Subject: Zoology

Programme Outcome of Zoology from Academic Year 2016-17 to 2018-19 for Second Year Students

Through theoretical and practical studies, students will gain in-depth knowledge of the biology, anatomy, and ecology of the sea star and *Columba livia domestica* (domestic pigeon). They will explore regenerative processes in sea stars and the physiological adaptations of pigeons. In medical and applied zoology, students will learn about the use of animals in medical research, disease control, and the development of biotechnological applications. Practical skills will include dissection, observation, and experimental techniques, preparing students for careers in biological research, medicine, and environmental conservation, with a strong foundation in both theoretical concepts and hands-on experience.

Programme Outcome of Zoology from Academic Year 2019-20 to 2023-24 for Second Year Students

Students will gain comprehensive theoretical and practical knowledge in physiology, biochemistry, apiculture, genetics, evolutionary biology, and medical diagnosis. They will understand organismal functions, biochemical processes, genetic mechanisms, and evolutionary relationships. Practical skills will include laboratory techniques in biochemistry and genetics, physiological experiments, beekeeping practices, and methods for medical diagnostics. This program will prepare students for careers in biological research, healthcare, agriculture, and environmental management, equipping them with the expertise to address complex biological and medical challenges through integrated theoretical knowledge and practical experience.

Programme Outcome of Zoology from Academic Year 2018-19 to 2021-22 for First Year Students


Students will acquire comprehensive theoretical and practical knowledge of animal diversity, comparative anatomy, and vertebrate developmental biology. They will learn to classify and understand the evolutionary relationships among animals, compare anatomical structures across vertebrate species, and analyze developmental stages from embryo to adult. Practical skills will include dissections, microscopy, and embryological studies. This program will prepare students for careers in biological research, wildlife conservation, and education by equipping them with a deep understanding of animal biology and hands-on experience in zoological techniques.

Programme Outcome of Zoology from Academic Year 2022-23 to 2023-24 for First Year Students

After successful completion of this course, students are expected to:

- Know the basic concept of Invertebrate Zoology.
- Acquire the ecological relationships of the local species.
- Know common and unknown invertebrate species.
- Understand of the – Invertebrate phyla, anatomy, natural history, collection, preservation, behavior and evolution.
- Acquire knowledge about external morphological features of grasshopper
- Understand internal structural and functional details of grasshopper
- Develop deeper knowledge about reproduction and life cycle of grasshopper
- Know the basic concept of Invertebrate Zoology.
- Understand common and unknown invertebrate species.
- Acquire practical knowledge about structural and functional aspects of grasshopper
- Gain the knowledge of the systematic position, habit and habitat of vertebrate animals
- Acquire the knowledge about classification of vertebrates
- Understand the general topics related to vertebrate animals.
- Understand the systematic position, habit and habitat of Frog
- Acquire the knowledge about structural and functional details about Frog.
- Enlighten themselves with knowledge related to systematic features of vertebrate animals.
- Enrich themselves with understandings of accessory organs.
- Know the poisonous and non-poisonous snakes.




Dr. M Zuber Shaikh
Head, Department of Zoology
RFNS, Senior Science College,
Akkalkuwa, Dist. Nandurbar (M.S.)