

Department of ZOOLOGY

PROGRAMME OUTCOME

PO-1. Apply the knowledge of various branches of Zoology meant both for a graduate course and higher studies.

PO-2. Acquire basic skills in the observation and study of nature, biological techniques and scientific investigation.

PO-3. Develop positive attitude towards sustainable development.

PO-4. Understand the unity of life with the rich diversity of organisms and their ecological and evolutionary significance.

PROGRAMME SPECIFIC OUTCOME

PSO-1. Learning the diversity of animal world, their habit, habitat, life history and evolution.

PSO-2. Learn to study morphology, anatomy, physiology, reproduction and development of organisms.

PSO-3. Learn heredity by study of cytology and genetics.

PSO-4. Learn about predators, parasites and pathogens, and diseases affecting animal world and find solutions for prevention.

PSO-5. Ecological knowledge with help to know the reasons of environmental degradation and help them to formulate ways for its upkeep.

PSO-6. Fundamental mathematical tools like statistics, models are used to analyse complex biological situations.

PSO-7. Theoretical knowledge associated with practical skills, seminar presentations, undertaking project works will help them to acquire in depth knowledge in the field of zoology.

COURSE OUTCOME

SEMESTER-I (PAPER 1- THEORY &2- PRACTICAL)

DIVERSITY OF LIFE- NON-CHORDATES

- CO-1. Familiarity with non-chordate world.
- CO-2. Identify and classify invertebrates.
- CO-3. Able to appreciate the process of evolution.
- CO-4. Understand the basis of life processes.

SEMESTER-II (PAPER 3-THEORY &4- PRACTICAL)

CELL BIOLOGY & GENETICS

- CO-1. Develop deeper understanding of functioning of life at cellular level.
- CO-2. Understanding of unitary structure of body.
- CO-3. Appreciate the contribution of great geneticists, evolutionary biologist and ecologist.
- CO-4. Understand the application of genetic engineering.

SEMESTER-III (PAPER 5-THEORY&6-PRACTICAL)

CHORDATES WITH COMPARATIVE ANATOMY

- CO-1. AbleAble describe the diversity of chordates.
- CO-2. Learn form, structure and habits of vertebrates.
- CO-3. Learn about various developmental procedures of sperm, eggs, foetus, placenta.
- CO-4. Understand about identification, classification and naming of animals.

SEMESTER-IV (PAPER 7-THEORY&8-PRACTICAL)

DEVELOPMENT, BIOLOGY, PHYSIOLOGY & TAXONOMY

- CO-1. Learning the functioning of different systems of a living body.
- CO-2. Apply the knowledge to lead a healthy life.
- CO-3. Gain knowledge on conventional biotechnological procedures.
- CO-4. Be able to apply the biotechnological procedures.
- CO-5. Able to gather knowledge on beneficial and harmful organisms.
- CO-6. Apply the knowledge to rear organisms to get food, medicine and other beneficial products.

SEMESTER-V (PAPER 9&10-THEORY, 11- PRACTICAL)

**ENDOCRINOLOGY, ENVIRONMENTAL BIOLOGY, ENVIRONMENTAL POLLUTION AND FISHERY,
EVOLUTION-I&II, IMMUNOLOGY, TOXICOLOGY & INSTRUMENTATION**

- CO-1. Learn about hormones and hormone action.
- CO-2. Learn about endocrine glands present in human body.
- CO-3. Understand physical features of environment , community, population and ecosystem.
- CO-4. Understand environmental degradation and it's impacts.
- CO-5. Able to understand the process of evolution and contribution of scientist in the field of evolution.
- CO-6. Learn about aquatic animals & aquaculture.
- CO-7. Learn about the immune system of the body.
- CO-8. Able to identify the toxins present in Environment.
- CO-9. Learn about uses of instruments and their functions.

SEMESTER-VI (PAPER 12&13-THEORY, 14-PRACTICAL)

MOLECULAR BIOLOGY, BIOCHEMISTRY-I&II, RESOURCE BIOLOGY & WILDLIFE, MICROBIOLOGY, BIOTECHNOLOGY, APPLIED BIOTECHNOLOGY, BIostatISTICS & ETHOLOGY

CO-1. Able to know about molecular biology.

CO-2. Study about different biomolecules.

CO-3. Develop skill in simple biochemical procedures.

CO-4. Learn the importance of biomolecules.

CO-5. Familiar with various biochemical pathways.

CO-6. Learn about biological resources and wildlife.

CO-7. Learn about different microbes.

CO-8. Gain knowledge on conventional biotechnological procedures.

CO-9. Be able to apply the biotechnological procedures.

CO-10. Learn about the biometry & biostatistics.

CO-11. Learn about different activities of human beings.