

DEPARTMENT OF ZOOLOGY

HNB PG COLLEGE KHATIMA

SYLLABUS/PROGRAM OUTCOMES

1. Acquired the knowledge with facts and figures related to various papers in zoology such as Animal Diversity, Taxonomy, Evolution, Genetics, Biochemistry, Endocrinology, Toxicology and Ecology and animal behavior.
2. Understood the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevance in the day-to-day life.
3. Acquired the skills in handling scientific instruments, planning and performing in laboratory equipment.
4. The skill of observation and drawing logical inference from the scientific experiments.
5. Analyze the given scientific data critically and systematically and the ability to draw the objective conclusions.
6. Been able to think creatively (divergent and convergent) to propose novel ideas in explaining facts and figures or providing new solution to the problems.
7. Realize how developments in any science subject help in the development of other science subject and via versa and how interdisciplinary approach helps in providing better solution and new ideas for the sustainable development.
8. Develop various communication skills such as reading, listening, speaking, etc.
9. Realize that pursuit of knowledge is a lifelong activity and in combination with untiring efforts and positive attitude and other necessary qualities leads towards a successful life.

SEC (UG LEVEL) PUBLIC HEALTH AND HYGIENE- OUTCOMES

Students understood the importance of hand washing, sanitation and hygiene, safe drinking water; household cleaning and food safety constitute the main focus for hygiene interventions in the college, home and community level.

OUTCOME OF SPECIAL PAPERS (PG LEVEL)

1. Fishery Science: Students describe the knowledge necessary for professional or academic work in the field of aquaculture and fisheries.
2. Evaluate the importance of diversity as well as the role of social factors (e.g. culture, economics, policy) on aquaculture and fisheries from local to global scales.
3. Demonstrate the basic technical skill necessary for work in aquaculture and fisheries (e.g. data collection and analysis, scientific methods etc.)
4. Create local and global solution to complex challenges in aquaculture and fisheries.
5. Students become familiar with Earth system and the manner in which they have been modified by human activity over time, especially with regards to coastal ecosystems. Recognize and appreciate the diversity of human culture and their relationship to local and global ecosystems. Develop a personal environmental ethic.

OUTCOMES OF IMMUNOLOGY (PG LEVEL)

1. Trace the history and development of immunology.
2. Understood the organization of immune system.
3. Learn how cell culture is used for research in cancer.
4. Understand the vaccines and their importance.
5. Learn how cancer defeats the immune system.

OUTCOMES OF IMMUNOLOGY (PG LEVEL)

1. Learn how microorganisms are used as model system to study basic biology, genetics, metabolism and ecology.
2. Learn laboratory skills i.e. preparation of and viewing samples for microscopy, culture techniques, viewing samples in microscopy to identify microorganisms etc.
3. Overall students develops hypothesis generation and testing, including the development of theoretical and practical skills in the design and execution of experiments.

