

DEPARTMENT OF ZOOLOGY

KATWA COLLEGE

Course Outcome (CO) Of NEP Syllabus 2023-2024

Semester -1 (MAJOR)

- **Paper ZOOL1011: NON-CHORDATES**

At the end of the syllabus students learn the Systematic and biology of non-chordates through their adaptive features and their body organization. Comprehend the identification of species and their evolutionary relationships.

- **Paper ZOOL1051: APICULTURE**

At the end of the syllabus students get complete knowledge of honeybees and their different casts and also about artificial bee hive and their uses for apiculture. Learn about different disease and enemies of honeybees and also know the techniques of honey extraction and handling of honey bees so as to get a brief idea about entrepreneurship in Apiculture.

Semester- 1 (MINOR)

- **Paper ZOOL1021: NON-CHORDATES**

At the end of the course students will learn about the systematics and biology of non-chordates through their adaptive features and body organisation and comprehend the identification of species and their evolutionary relationships.

Semester- 1 (MULTIDISCIPLINARY; MDC)

- **Paper ZOOL1031: INTRODUCTION TO ANIMALIA**

At the end of the course students will get a general overview of the animal world with a working knowledge of fundamental concepts of zoology which will help them in further understanding of the course for further advanced studies. It will also make the students familiar with animal classification schemes and associated taxonomic group diagnostic features and the ability to apply basic zoological principles.

Semester – 2 (MAJOR)

- **Paper ZOOL2011: CHORDATES**

At the end of the syllabus students will get knowledge to explain the taxonomic position of chordates, their diversity and distribution. Gain insight about economic importance of pieces, distinguish between poisonous and non-poisonous snakes by observing characteristic features & also know about the structural specialities of birds which will help them for poultry (commercial application).

- **Paper ZOOL2051: SERICULTURE**

At the end of syllabus students will learn about different types of silkworms and the technology of their culture and making of silk. They will know about different diseases or enemies of Silkworm. Also get a brief idea about entrepreneurship in Sericulture.

Semester - 2 (MINOR)

- **Paper ZOOL2021: CHORDATES**

At the end of syllabus students will learn about the fundamental understanding of the diversity of phylum Chordata with emphasis on their origin, key characteristics, classification, distribution and functioning. And also know about the affinities of chordates to different groups.

Semester - 2 (MDC)

- **Paper ZOOL2031: APPLIEDZOOLOGY**

At the end of syllabus students will learn about the different aspects of applied zoology from culture processes and rearing of different economically important animals to their different diseases and limitations.

Semester – 3 (MAJOR)

- **Paper ZOOL3011: BIOCHEMISTRY**

At the end of the syllabus students will learn & understand the objectives of studying biochemistry. The learner will get clear concept of the structures and reactions of biomolecules in the living system.

The students will develop a deep interest in this subject which is very important for daily life and also for different competitive examinations.

- **Paper ZOOL3012: CELLBIOLOGY**

At the end of the syllabus students will learn about the different subcellular components, their structure, function, biochemical properties, organization at cellular level with respect to extracellular matrix, cytoskeleton, cell junction, cell signalling & cell division. They will also have an outline knowledge of cancer cell and apoptosis.

- **Paper ZOOL3051: MEDICALDIAGNOSTICS**

At the end of syllabus students will learn the basic understanding of structure of human body & also aspects related to medical diagnostic. Learn to perform tests which help in the diagnosis and treatment of diseases. They will be able to handle laboratory instruments helping them to be economically self-sufficient.

Semester - 3 (MULTIDISCIPLINARY; MDC)

- **Paper ZOOL3031: APPLIED ZOOLOGY**

At the end of syllabus students can understand concept of fisheries, fishing tools & site selection. Can understand about parasites and epidemiology of parasites in human and animals, types of breeds of poultry and animal farming along with their management. Students will also become efficient about aquaculture system and induced breeding & post harvesting techniques.