

ZOOLOGY DEPARTMENT

Course Outcomes of B. Sc Zoology (NEP)

SL no	Course	Semester	Course code	Credit	Marks	Course Outcome	Skill Development related to employability and Entrepreneurship development
1	Cell Biology (Theory)	1 st	CC1-TH	3	75	Cells are the structural and functional unit of life. Students will have better understanding about how life works at its most fundamental phases.	Different bio-technical institutes/co, bio-medical institutes/co along with pharmacological institutes/co need that their students/employees should understand this basic functions of biology. This helps their work easier.
2	Cell Biology (Practical)	1 st	CC1-P	1	25	Students will understand about the dimensions and features of a cell. And will learn how to work with them in laboratories.	Different bio-technical institutes/co, bio-medical institutes/co along with pharmacological institutes/co need that their students/employees should understand this basic functions of biology. This helps their work easier.
3	Animal Biology	1 st	IDC-1-TH	3	75	After completion of this course, students will have knowledge of different major taxa in animal kingdom and several of their biological functions. Understanding of animal	The course focuses to develop the basic knowledge in animal diversity. The basic knowledge and conception of this field will play a pivotal role during higher level courses in biology and zoology. The

						classifications along with their biology, will lucid the path of further studying in biological sciences	content of course is also important to qualify the NET, SET, GATE and other job oriented examinations and interviews for Bio-science students.
4	Animal Biology	1 st	IDC-1-P	1	25	Identification of representative samples, belonging to different taxa that have been studied in theory classes are there. Also studying karyotypes of different genetic disorders.	This is an enormous criterion for a biologist to identify animals properly, both at field and museum. Studying preserved specimen will help them to build skills for both. Several natural history museums all over world and Zoological Surveys of several countries need efficient taxonomist to identify and curate preserved zoological specimens.
5	Biochemistry (Theory)	2 nd	CC2-TH	3	75	This course will help students to build knowledge on functional edifices of biological systems, like: Important biomolecules and metabolism that is essential for production of energy and functional components.	The basic knowledge in this course will enable students to learn how an animal body does functions. What condition could be normal and how can they be identified as not normal or sometimes ill. Understanding of this course is required, later in this course during

							studying medical diagnosis, too. The content of course is also important to qualify the NET, SET, GATE and other job oriented examinations and interviews for bio-science students.
6	Biochemistry (Practical)	2 nd	CC2-P	1	25	Students will gain hands on experiences on qualitative and quantitative tests for carbohydrate, Protein, lipid samples.	This course work will help students to understand how in reality our body organs look like at their tissue level. They will have hands on experience in biochemical tests that might be helpful in their future job prospects as bio-medical technician.
7	Applied zoology (Theory)	2 nd	SEC G For MDC	3	75	Student will learn about Sericulture, Apiculture, Lac culture, Aquaculture and other live-stock management.	This course has huge impact on making student self-sufficient in employment. They can start new business after learning about these.
8	Applied zoology (Practical)	2 nd	SEC G For MDC	1	25	Practical knowledge about how to maintain animal husbandry and their utilities.	This course has huge impact on making student self-sufficient in employment. They can start new business after learning about these.

Programme Outcomes of B. Sc Zoology (NEP)

1. Understanding the Nature and our position: Zoology taught us that we, human, are neither the only inhabitants of this earth nor we can live like so. Building compassion towards animal kingdom not only cultivates humanity inside students but also will teach them how to think about others and how to cooperate with all.

Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.

2. Effective Communication: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.

3. Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings. While learning about infectious disease and public hygiene, students will learn about different conditions how and where people lives, how different professions can have association with different types of health hazards and also how to prevent them. Thus, they can be prepared for arranging themselves better personal hygiene and community health.

4. Effective Citizenship: Demonstrate empathetic social concern and equity-centered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.

6. Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them. Recognizing that even animals have their own right and if they are not able to defend that we, human, need to come forward will surely enrich their value sense.

7. Environment and Sustainability: Understand the issues of environmental contexts and sustainable development. Understanding how and why we need to save and protect the environment and its' several parts including the bio-diversity.

8. Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes.

Programme Specific Outcomes (PSO) B. Sc Zoology

1. Students will acquire a comprehensive knowledge and sound understanding of fundamentals of Zoology.

2. Students will develop practical, analytical and statistical skills in Zoology.

3. Students will be prepared to acquire a range of general skills, to solve problems, to evaluate information, to use tools and techniques productively, to communicate with society effectively and learn independently.

4. Students will acquire a job efficiently in diverse fields such as Science and Engineering, Education, Public Services, Animal husbandry, Health services and Business etc.