Programme: ***BSc Zoology***

Course Outcome

Course	Course Outcome
THEORY	
General perspectives in Science & Protistan Diversity	Create an awareness on the basic philosophy of science, concepts and scope. Understand different levels of biological diversity through the systematic classification. Familiarize taxa level identification of animals. Make interest in Protistan diversity. Impart knowledge on parasitic forms of lower invertebrates.
Animal Diversity – Non Chordata	Create appreciation on diversity of life on earth. Understand different levels of biological diversity through the systematic classification of invertebrate fauna. Familiarize taxa level identification of animals. Understand the evolutionary significance of invertebrate fauna.
Animal Diversity-Chordata	Acquire in depth knowledge on the diversity of chordates and their systematic position. Make them aware of the economic importance of some classes. Understand the evolutionary importance of selected chordate groups.
Research Methodology, Biophysics and Biostatistics	Familiarise the learner the basic concept of scientific method in research process. Impart knowledge on various research designs. Develop skill in research communication and scientific documentation. Create awareness about the laws and ethical values in biology. To equip the students with the basic techniques of animal rearing collection and preservation. Help the student to apply statistical methods in biological studies.
Environmental Biology & Human rights	Instill the basic concepts of Environmental Sciences, Ecosystems, Natural Resources, Population, Environment and Society. Make the students aware of natural resources, their protection, conservation, the factors polluting the environment, their impacts and control measures. Teach the basic concepts of toxicology, their impact on human health and remedial measures. Create a consciousness regarding Biodiversity, environmental issues & conservation strategies. Develop the real sense of Human rights – its concepts & manifestations.
Cell Biology & Genetics	Understand the structure and function of the cell as the fundamentals for understanding the functioning of all living organisms. Make aware of different cell organelles, their structure and role in living organisms. Develop critical thinking, skill and research aptitudes in basic and applied biology. Emphasize the central role of genes and their inheritance in the life of all organisms.
Evolution, Ethology & Zoogeography	Acquire knowledge about the evolutionary history of earth - living and non-living. Acquire basic understanding about evolutionary concepts and theories. Study the distribution of animals on earth, its pattern, evolution and causative factors. Impart basic knowledge on animal behavioural patterns and their role.

Course	Course Outcome
Human Physiology, Biochemistry & Endocrinology	Provide students with a deep knowledge in biochemistry, physiology and endocrinology. Defining and explaining the basic principles of biochemistry useful for biological studies for illustrating different kinds of food, their structure, function and metabolism. Explaining various aspects of physiological activities of animals with special reference to humans. Students acquire a broad understanding of the hormonal regulation of physiological processes in invertebrates and vertebrates. Familiarise students with hormonal regulation of physiological systems in several invertebrate and vertebrate systems which will provide a basic understanding of the experimental methods and designs that can be used for further study and research. The achievement of above objectives along with periodic class discussions of current events in science, will benefit students in their further studies in the biological/physiological sciences and health-related fields, and will contribute to the critical societal goal of a scientifically literate citizenry.
Developmental Biology	Achieve a basic understanding of the experimental methods and designs that can be used for future studies and research. Provide the students with the periodic class discussions of current events in science which will benefit them in their future studies in the biological/physiological sciences and health-related fields. Contribute to critical societal goal of a scientifically literate citizenry.
Microbiology and Immunology	Provide knowledge on the correlation between structure and function of microorganisms. Provide knowledge on the correlation between structure and function of immune cells. Make the student aware of the health related problems and their origin. Make student to understand how efficiently our immune system work in our body. acquire knowledge about preventing common diseases rather than curing.
Biotechnology, Bioinformatics & Molecular Biology	Provide students with a deep knowledge in biotechnology, bioinformatics & molecular biology. Defining and explaining the basic principles of biotechnology useful for biological studies .Explaining various aspects of bioinformatics and molecular biology. Familiarise students with bioinformatics which will provide a basic understanding that can be used for further study and research. The achievement of above objectives along with periodic class discussions of current events in science, will benefit students in their further studies biotechnology, bioinformatics & molecular Biology
Occupational Zoology (Aquaculture, Apiculture, Vermiculture	Equip the students with self-employment capabilities. Provide scientific knowledge of profitable farming. Make the students aware of cottage industries
Public Health & Nutrition	Inculcate a general awareness among the students regarding the real sense of health. Understand the role of balanced diet in maintaining health. Motivate them to practice yoga and meditation in day-to-day life.

Nutrition, Health & Life Style Management	Provide students with a general concept of health and the parameters that define health and wellness. Understand principles of nutrition and its role in health. Familiarize the students regarding food safety, food laws & regulations. Provide knowledge and understanding regarding life style diseases. promote an understanding of the value of good life style practices, physical fitness and healthy food habits for life style disease management.
PRACTICAL	
General Perspectives in Science, Protistan Diversity Biodiversity & Animal Diversity – Non Chordata	Understand different levels of biological diversity through the systematic classification. Familiarize taxa level identification of animals. Make interest in Protistan diversity. Impart knowledge on parasitic forms of lower invertebrates. Create appreciation on diversity of life on earth. Familiarize taxa level identification of animals. Understand the evolutionary significance of invertebrate fauna.
Animal Diversity – Chordata, Research methodology, Biophysics & Biostatistics	Acquire in depth knowledge on the diversity of chordates and their systematic position. Make them aware of the economic importance of some classes. Understand the evolutionary importance of selected chordate groups. Familiarise the learner the basic concept of scientific method in research process. Impart knowledge on various research designs. Develop skill in research communication and scientific documentation. Create awareness about the laws and ethical values in biology. To equip the students with the basic techniques of animal rearing collection and preservation. Help the student to apply statistical methods in biological studies.
Environmental Biology, Toxicology, Cell Biology & Genetics	Instill the basic concepts of Environmental Sciences, Ecosystems, Natural Resources, Population, Environment and Society. Make the students aware of natural resources, their protection, conservation, the factors polluting the environment, their impacts and control measures. Teach the basic concepts of toxicology, their impact on human health and remedial measures. Create a consciousness regarding Biodiversity, environmental issues & conservation strategies. Develop the real sense of Human rights – its concepts & manifestations. Understand the structure and function of the cell as the fundamentals for understanding the functioning of all living organisms. Make aware of different cell organelles, their structure and role in living organisms. Develop critical thinking, skill and research aptitudes in basic and applied biology. Emphasize the central role of genes and their inheritance in the life of all organisms.
Evolution, Ethology, Zoogeography, Human Physiology, Biochemistry & Endocrinology	Acquire knowledge about the evolutionary history of earth - living and nonliving. Acquire basic understanding about evolutionary concepts and theories. Study the distribution of animals on earth, its pattern, evolution and causative factors. Impart basic knowledge on animal behavioural patterns and their role. Provide students with a deep knowledge in biochemistry, physiology and endocrinology. Defining and explaining the basic principles of biochemistry useful for biological studies for illustrating different kinds of food, their structure, function and metabolism.Explaining various aspects of physiological activities of animals with special reference to humans. Students acquire a broad understanding of the hormonal regulation of physiological processes in invertebrates and vertebrates.

Developmental Biology, Microbiology & Immunology	Achieve a basic understanding of the experimental methods and designs that can be used for future studies and research.
Biotechnology, Bioinformatics, Molecular Biology & Occupational Zoology	Equip the students with self employment capabilities. Provide scientific knowledge of profitable farming. Make the students aware of cottage industries.