

4. PROGRAM OUTCOMES (POs) & COURSE OUTCOMES (COs):

PROGRAM OUTCOMES OF B.Sc.(BZC)	
After completion of three-year graduation student acquire the following attributions	
PO1	The B.Sc.(BZC) Programme develops scientific temperament and attitude among the science graduates
PO2	The qualities of a science – observation, precision, analytical mind, logical thinking, clarity of thought and expression, systematic approach, qualitative and quantitative decision making are enlarged.
PO3	The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice .
PO4	This programme trains the learners to extract information, formulate and solve problems in a systematic and logical manner
PO5	This programme enables the learners to perform the jobs in diverse fields such as science, engineering, industries, survey, education, Agriculture, animal husbandry, etc., efficiently
PO6	Students will be able to acquire core knowledge in Zoology in the key areas, develop written & oral communication skills in communicating Zoology-related topics.
PO7	Design & conduct an experiment, demonstrate their understanding of the scientific methods & processes
PO8	Develop proficiency in acquiring data using a variety of instruments, analyse & interpret the data, learn applications of scientific techniques
PO9	Realize & develop an understanding of the impact of zoology & science on society.
PO10	Students will be able to acquire core knowledge in Zoology in the key areas. It is helpful understanding pollution control methods, acquiring knowledge on biodiversity etc.,

COURSE OUTCOMES B.Sc ZOOLOGY	
SEM-I ANIMAL DIVERSITY INVERTEBRATE	
CO1	Know the taxonomic positions and characteristics, life cycles, and even the parasitic mode of important lower animals.
CO2	Conceptual knowledge of Parasites and Polymorphism
CO3	Comprehensive understanding of connecting links, physiological aspects
CO4	Students are able to understand various organs and organ systems
SEM-II : ANIMAL DIVERSITY VERTEBRATE	
CO1	-Distinguish the general features and classification of phylum Hemichordata and Chordata
CO2	Acquaint with the structure and function of various systems, Parental care in Amphibians
CO3	Understand the basic knowledge of Poison, non-poison snakes. Able to understand Migration in birds
CO4	Students are able to learn about uses of teeth and Aquatic adaptations in Mammals
SEM-III ANIMAL PHYSIOLOGY AND ANIMAL BEHAVIOUR	
CO1	Know the knowledge of digestion of nutrients, Homeostasis and Osmoregulation in different organisms
CO2	Know the understand how functioning the heart, Transport of gases, Blood clotting methods
CO3	Know the types of muscles, physiology of nervous system and Endocrine glands, Menstruation
CO4	Students are able to understand about Animal Behaviour, Communications,
SEM-IV CELL BIOLOGY AND GENETICS AND DEVELOPMENTAL BIOLOGY	
CO1	Know the knowledge of Cell Organelles, Cell Division and Structure and Function Chromosomes
CO2	Understand the concept of DNA Structure, Protein Synthesis, Molecular Biology Techniques ,PCR
CO3	Students are able to understand the concept of Mendal Laws, Sex -Linked Inheritance, Sex determination, Inborn error of metabolism, and Crossing Over
CO4	Know the knowledge of Gametogenesis, Fertilization, Placenta, Chick embryos, Types of eggs and Cleavages
SEM-V IMMUNOLOGY AND ANIMAL BIOTECHNOLOGY	
CO1	Conceptual knowledge of the immune system, Lymphoid organs and Cells of Immune system
CO2	Know the knowledge of Immunoglobulins, Types of Immunity, Auto

	Immunity and diseases, Hypersensitivity
CO3	Understand the concept of Animal Biotechnology , Recombinant DNA Technology, Cloning Methods and Vectors and Transgenesis
CO4	Know the concept of Invitro Fertilization, Stem cells,PCR
SEM-VI ECOLOGY ZOOGEOGRAPHY AND EVOLUTION	
CO1	Understand the concept of Ecosystem, Ecological Pyramids, Food chain, food web, Nutrient Cycles
CO2	Understand the concept of Communities, Animal associations, National Parks and Sanctuaries, Hotspots
CO3	Understand the Discontinuous Distribution, Zoo geographical Regions,Wallace Line, Founa
CO4	Know the knowledge of Evolution, Origin of Species, Darwinism, Isolation, Hardy-weinberg Law,