

S.V.L.N.S GOVT. DEGREE COLLEGE, BHEEMUNIPATNAM

DEPARTMENT OF ZOOLOGY

COURSE	COURSE OUTCOMES
SEMESTER-I (THEORY) BSC(CBZ)	Course Outcomes: By the completion of the course the graduate should able to – CO1 Describe general taxonomic rules on animal classification CO2 Classify Protozoa to Coelenterata with taxonomic keys CO3 Classify Phylum Platy heminthes to Annelida phylum using examples from parasitic adaptation and vermin composting CO4 Describe Phylum Arthropoda to Mollusca using examples and importance of insects and Molluscans CO5 Describe Echinodermata to Hemi chordata with suitable examples and larval stages in relation to the phylogeny
PRACTICAL	To understand the importance of preservation of museum specimens <ul style="list-style-type: none">• To identify animals based on special identifying characters• To understand different organ systems through demo or virtual dissections• To maintain a neat, labeled record of identified museum specimens• To maintain a neat, labeled record of identified museum specimens

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COURSE	COURSE OUTCOMES
SEMESTER-II (THEORY) BSC(CBZ)	By the completion of the course the graduate should able to – CO1 Describe general taxonomic rules on animal classification of chordates CO2 Classify Protochordata to Mammalia with taxonomic keys CO3 Understand Mammals with specific structural adaptaiions CO4 Understand the significance of dentition and evolutionary significance CO5 Understand the origin and evolutionary relationship of different phyla from Prochordata to mammalia.
PRACTICAL	To understand the taxidermic and other methods of preservation of chordates • To identify chordates based on special identifying characters • To understand internal anatomy of animals through demo or virtual dissections, thus • directing the student for “empathy towards the fellow living beings” To maintain a neat, labeled record of identified museum specimens

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SEMESTER-III (THEORY) BSC(CBZ)	CO1 To understand the basic unit of the living organisms and to differentiate the organisms by their cell structure CO2 Describe fine structure and function of plasma membrane and different cell organelles of eukaryotic cell. CO3 To understand the history of origin of branch of genetics, gain knowledge on heredity, interaction of genes, various types of inheritance patterns existing in animals CO4 Acquiring in-depth knowledge on various aspects of genetics involved in sex determination, human karyotyping and mutations of chromosomes resulting in various disorders CO6 Understand the principles and forces of evolution of life on earth, the process of evolution of new species and apply the same to develop new and advanced varieties of animals for the benefit of the society
PRACTICAL	Acquainting and skill enhancement in the usage of laboratory microscope <ul style="list-style-type: none">• Hands-on experience of different phases of cell division by experimentation• Develop skills on human karyotyping and identification of chromosomal disorders To apply the basic concept of inheritance for applied research• To get familiar with phylogeny and geological history of origin• & evolution of animals

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SEMESTER-IV (THEORY) BSC(CBZ)	CO1 Understand the functions of important animal physiological systems including digestion, cardio-respiratory and renal systems. CO2 Understand the muscular system and the neuro-endocrine regulation of animal growth, CO3 development and metabolism with a special knowledge of hormonal control of human reproduction. CO4 Describe the key events in early embryonic development starting from the formation of gametes upto gastrulation CO5 Understand the formation of primary germ layers.
PRACTICAL	<ul style="list-style-type: none">• Identification of an organ system with histological structure• Deducing human health based on the information of composition of blood cells• Identification of different stages of early embryonic development in animal

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COURSE	COURSE OUTCOMES
SEMESTER V B.SC(CBZ) THEORY	CO1 Understand the applications of Biotechnology in the fields of industry and agriculture including animal cell/tissue culture, stem cell technology and genetic engineering. CO2 Understand the applications of Biotechnology in the fields of industry and agriculture including animal cell/tissue culture, stem cell technology and genetic engineering. CO3 Get familiar with the tools and techniques of animal biotechnology.
PRACTICALS	<ul style="list-style-type: none">• Demonstrate basic laboratory skills necessary for Biotechnology research• Promoting application of the lab techniques for taking up research in higher studies

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SEMESTER VI B.SC(CBZ) THEORY	1.DESCRIBE THE POULTRY FARM IS FROM INCOM SOURCE OF FOOD 2.UNDERSTAND THE SOURCE OF-ECONOMIC TRANSFORMATION 3.UNDERSTAND THE MIXED FORMING 4.UNDERSTAND ABOUT INDUSTUIAL USES LIKE FERTAIL EGGS ARE USED IN VACCINE PREPARATION ANDINEDIBLE EGGS FROM HATCHERY CAN BE USED AS A ANIMAL FEED AND FERTILUIZER 5.IN BREEDING INCROSSES HOMO ZYGOSITY THUS IN BREEDING IS NECCESARRY IF WE WANT EVOLVE A PURE LIVE ANIMAL 6.AQUIRED THE KNOWLEDGE TO HELPS IN THE ACCUMULATION OF SUPPIRIOR JEANS AND ELIMINATION OF LESS DESIRABLE JEANS 7.THIS APPROCH WHERE THERE IS SELECTION AT EACH STEP INCREASES PRODUCTIVITY OF IN BREED POPULATION

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COURSE	COURSE OUTCOMES
SEMESTER-VI ELECTIVE PAPER VII- A B.SC(CBZ) THEORY	CO1 To get knowledge of the organs of Immune system, types of immunity, cells and organs of immunity. CO2 To describe immunological response as to how it is triggered (antigens) and regulated (antibodies)
PRACTICAL	<ul style="list-style-type: none">•Acquainting student with immunological techniques vis-à-vis theory taught in the• class room Interconnect the theoretical and practical knowledge of immunity with the outer world for the development of a healthier life.

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