

GOVERNMENT DEGREE COLLEGE FOR WOMEN, MADANAPALLE

ANNAMAYYA DISTRICT, ANDHRA PRADESH-517325
AFFILIATED TO SRI VENKATESWARA UNIVERSITY, TIRUPATHI
NAAC ACCREDITED 'B' GRADE

DEPARTMENT OF ZOOLOGY COURSE OUTCOMES

SL NO	SEMESTER	COURSE TITLE	OUTCOMES <i>After successful completion of this course, students will be able to:</i>
1	I	ZOOLOGY PAPER : I Animal Diversity - Biology of Nonchordates	<ol style="list-style-type: none"> 1. To understand the taxonomic position of protozoa to helminthes. 2. To understand the general characteristics of animals belonging to protozoa to hemichordata. 3. To understand the structural organization of animals phylum from protozoa to hemichordata. 4. To understand the origin and evolutionary relationship of different phyla from protozoa to hemichordata. 5. To understand the origin and evolutionary relationship of different phylum from annelids to hemichordates.
2	II	ZOOLOGY PAPER : II Animal Diversity - Biology of Chordates	<ol style="list-style-type: none"> 1. To understand the animal kingdom . 2. To understand the taxonomic position of Protochordata to Mammalia. 3. To understand the general characteristics of animals belonging to Fishes to Reptilians. 4. To understand the body organization of Chordata. 5. To understand the taxonomic position of Protherian mammals.
3	III	ZOOLOGY PAPER : III Cell Biology, Genetics, Molecular Biology and Evolution	<ol style="list-style-type: none"> 1. To understand the basic unit of the living organisms and to differentiate the organisms by their cell structure. 2. 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 3. Acquiring in-depth knowledge on various of aspects of genetics involved in sex determination,

			<p>human karyotyping and mutations of chromosomes resulting in various disorders</p> <p>4. Understand the central dogma of molecular biology and flow of genetic information from DNA to proteins.</p> <p>5. 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.</p>
4	IV	ZOOLOGY PAPER : IV Animal Physiology, Cellular Metabolism and Embryology	<p>1. Understand the functions of important animal physiological systems including digestion, cardio-respiratory and renal systems.</p> <p>2. Understand the muscular system and the neuro-endocrine regulation of animal growth, development and metabolism with a special knowledge of hormonal control of human reproduction.</p> <p>3. To understand the disorders associated with the deficiency of hormones</p> <p>4. To understand the basic metabolic activities pertaining to the catabolism and anabolism of various biomolecules.</p> <p>5. Understand the key events in early embryonic development starting from the formation of gametes upto gastrulation and formation of primary germ layers</p>
5	IV	ZOOLOGY PAPER : V Immunology and Bio Technology	<p>1. To get knowledge of the organs of Immune system, types of immunity, cells and organs of immunity.</p> <p>2. To describe immunological response as to how it is triggered (antigens) and regulated (antibodies)</p> <p>3. Understand the applications of Biotechnology in the fields of industry and agriculture including animal cell/tissue culture, stem cell technology and genetic engineering.</p> <p>4. Understand the significance of the Major Histocompatibility Complex in terms of immune response and transplantation</p>
6	V	ZOOLOGY PAPER : VI Poultry Management - I Poultry Farming	<p>1. Evaluate the status of Indian Poultry Industry</p> <p>2. Explain the Scientific Poultry keeping</p> <p>3. Compare the diversified Poultry</p>

			practices 4. Inspect the different breeds of chicken
7	VI	ZOOLOGY PAPER : VII Poultry Management - II Poultry Production and Management	1.Suggest measure for Health care in Poultry 2.Evaluate the Economics of Poultry Production 3.Evaluate the Poultry Breeder flock management 4.Differentiate the Poultry Hatchery Practices