

G.M.Vedak College of Science, Tala

Zoology Department

Programme outcomes (PO`s)

F Y. B. Sc. Zoology (Semester-I) Programme Outcomes: B. Sc Zoology

Department of Zoology	After successful completion student should be able to; of three year degree program in Zoology a
Programme Outcomes	<p>PO`s 1: To acquaint the students with the different organs in animals and its functions like echolocation, bioluminescence.</p> <p>PO`s 2: Students understands the property of regenerations , mimicry and camouflage.</p> <p>PO`s 3: Teacher makes the taught understand about biodiversity .</p> <p>PO`s 4: Pupils understands about innovative and novel work of scientists/philosopher/entrepreneurs in the field of biological sciences.</p> <p>PO`s 5: Students learnt about handling of different instruments and working for a particular experiments,</p> <p>PO`s 6: The pupils understands about applications of biotechnology.</p> <p>PO`s 7: Students understands meaning of symbols.</p> <p>PO`s 8: To acquaint the students by biogenesis and units of measurement,</p> <p>PO`s 9: Create an awareness of the impact of Zoology on the environment, society, and development outside the scientific community.</p> <p>PO`s 10: Demonstrate use of instruments .</p> <p>PO`s 11: To study and understand the different types of Instruments with the help of teaching aids like PPT`s, Videos, charts , models etc.</p> <p>PO`s 12: To inculcate the scientific temperament in the students and outside the scientific community.</p>

Programme Specific Outcomes	<p>PSO-1. Gain the knowledge of Zoology through theory and practical</p> <p>PSO-2. Study and understand the Structures and function Classification, anatomy, poisons, of animals.</p> <p>PSO-3. Understand the testing of hypothesis.</p> <p>PSO-4. Know structure-activity relationship</p> <p>PSO-5.. Understand good laboratory practices and safety.</p> <p>PSO-6. Develop research oriented skills.</p> <p>PSO-7. Make aware and handle the sophisticated instruments/equipment's</p> <p>PSO-8.: Use modern Zoological tools, Charts, Models, and Equipments.</p>
Course Outcomes B. Sc Zoology Semester-I Paper II INSTRUMENTATION and ANIMAL BIOTECHNOLOGY	
Course	Outcomes
After completion of these courses students should be able to;	
Unit 1: Laboratory safety, Units and Measurement	<ul style="list-style-type: none"> ➤ Learners would work safely in the laboratory and avoid occurrence of accidents (mishaps) which will boost their scholastic performance and economy in use of materials/chemicals during practical sessions
Unit 2: Animal Biotechnology	<ul style="list-style-type: none"> ➤ Learners would understand recent advances in the subject and their applications for the betterment of mankind; and that the young minds would be tuned to think out of the box.
Unit 3: Instrumentation	<ul style="list-style-type: none"> ➤ Students will be skilled to select and operate suitable instruments for the studies of different components of Zoology of this course and also of higher classes including research

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Programme outcomes (PO`s)

F Y. B. Sc. Zoology (Semester-II) Programme Outcomes: B. Sc Zoology

Department of Zoology	After successful completion student should be able to; of three year degree program in Zoology a
Programme Outcomes	<p>PO`s 1: To acquaint the students with the ecologies, population density.</p> <p>PO`s 2: Students understands the property of concepts of ecosystems.</p> <p>PO`s 3: Teacher makes the taught understand about Parks and sanctuaries ,</p> <p>PO`s 4: Pupils understands about Ecotourism.</p> <p>PO`s 5: Students learnt about handling of Nutrition and health and hygiene.</p> <p>PO`s 6: The pupils understands about common diseases and its treatment.</p> <p>PO`s 7: Students understands meaning of symbols.</p> <p>PO`s 8: To acquaint the students by biogenesis and units of measurement,</p> <p>PO`s 9: Create an awareness of the impact of Zoology on the environment, society, and development outside the scientific community.</p> <p>PO`s 10: Demonstrate use of instruments .</p> <p>PO`s 11: To study and understand the different types of Instruments with the help of teaching aids like PPT`s, Videos, charts , models etc.</p> <p>PO`s 12: To inculcate the scientific temperament in the students and outside the scientific community.</p>
Programme Specific Outcomes	<p>PSO-1. Gain the knowledge of Zoology through theory and practical</p> <p>PSO-2. Study and understand the Structures and function Classification, anatomy, poisons, of animals.</p>

	<p>PSO-3. Understand the testing of hypothesis.</p> <p>PSO-4. Know structure-activity relationship</p> <p>PSO-5.. Understand good laboratory practices and safety.</p> <p>PSO-6. Develop research oriented skills.</p> <p>PSO-7. Make aware and handle the sophisticated instruments/equipment's</p> <p>PSO-8.: Use modern Zoological tools, Charts, Models, and Equipments.</p>
<p>Course Outcomes B. Sc Zoology Semester-II Paper I Ecology and Wildlife Management</p>	
Course	Outcomes
Unit 1: Population ecology	This unit would allow learners to study about nature of animal population, specific factors affecting its growth and its impact on the population of other life form
Unit 2: Ecosystem	Learners will grasp the concept of interdependence and interaction of physical, chemical and biological factors in the environment and will lead to better understanding about implications of loss of fauna specifically on human being, erupting spur of desire for conservation of all flora and fauna
Unit 3: National parks and Sanctuaries of India	Learners would be inspired to choose career options in the field of wild life conservation, research, photography and ecotourism.
<p>Course Outcomes B. Sc Zoology Semester-II Paper II NUTRITION, PUBLIC HEALTH AND HYGIENE</p>	
Course	Outcomes
After completion of these courses students should be able to;	
Unit 1: Nutrition and Health	Healthy dietary habits would be inculcated in the life style of learners in order to prevent risk of developing health hazards in younger generation due to faulty eating habits
Unit 2 Public Health and Hygiene	Promoting optimum conservation of water, encouragement for maintaining adequate personal hygiene, optimum use of electronic gadgets, avoiding addiction, thus facilitating achievement of the goal of healthy young India in true sense.
UNIT 3: Common Human Diseases and Disorders	Learners will be able to promptly recognize stress related problems at initial stages and would be able to adopt relevant solutions which would lead to psychologically strong mind set promoting positive attitude important for academics and would be able to acquire knowledge of cause, symptoms and precautions of infectious diseases

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Programme outcomes (PO`s)

S. Y. B. Sc. Zoology (Semester-III) Programme Outcomes: B. Sc Zoology

Department of Zoology	Department of Zoology
Programme Specific Outcomes	<p>PSO-1. Gain the knowledge of Zoology through theory and practical.</p> <p>PSO-2. Study and understand the Structures and function of excretory organs .</p> <p>PSO-3. Understand the testing of hypothesis.</p> <p>PSO-4. Know structure-activity relationship</p> <p>PSO-5.. Understand good laboratory practices and safety. PSO-6. Develop research oriented skills.</p> <p>PSO-7.Make aware and handle the sophisticated instruments/equipments</p> <p>PSO-7.: Use modern Zoological tools, Charts, Models, and Equipments</p> <p>PO`s -8: Various illness, their causes are understood by students due to observing blood report.</p>
<p>Course Outcomes B. Sc Zoology Semester-III Paper I Fundamentals of Genetics, Chromosomes and Heredity, Nucleic acids</p>	
Course	Outcomes
	After completion of these courses students should be able to;
Unit 1: Fundamentals of Genetics	<ul style="list-style-type: none"> ➤ Learner would comprehend and apply the principles of inheritance to study heredity. ➤ Learner will understand the concept of multiple alleles, linkage and crossing over.
Unit: 2: Chromosomes and Heredity	<ul style="list-style-type: none"> ➤ Learner will comprehend the structure of chromosomes and its types. ➤ Learner will understand the mechanisms of sex determination. ➤ Learner would be able to correlate the disorders linked to a particular
Unit: 3 Nucleic acids	<ul style="list-style-type: none"> ➤ Learner will understand the importance of nucleic acids as genetic material. ➤ Learner would comprehend and appreciate the regulation of gene expressions

Course Outcomes B. Sc Zoology Semester-III Paper II Nutrition and Excretion, Respiration and Circulation, Control and Coordination of Life Processes, Locomotion and Reproduction	
Course	Outcomes
	After completion of these courses students should be able to;
Unit: 1: Nutrition and Excretion	<ul style="list-style-type: none"> ➤ Learner would understand the increasing complexity of respiratory and circulatory physiology in evolutionary hierarchy. ➤ Learner will be able to correlate the habit and habitat of animals with respiratory and circulatory organs
Unit: 2 : Respiration and Circulation	<ul style="list-style-type: none"> ➤ Learner would understand the increasing complexity of respiratory and circulatory physiology in evolutionary hierarchy. ➤ Learner will be able to correlate the habit and habitat of animals with respiratory and circulatory organs
Unit: 3 Control and Coordination, Locomotion and Reproduction	<ul style="list-style-type: none"> ➤ Learner would understand the process of control and coordination by nervous and endocrine regulation. ➤ Learner would be amazed by various locomotory structures found in the animal kingdom ➤ Learner would be acquainted with various reproductive strategies present in animals
Course Outcomes B. Sc Zoology Semester-III Paper III Ethology, Parasitology, Economic Zoology	
Course	Outcomes
	After completion of these courses students should be able to;
Unit: 1 Ethology	<ul style="list-style-type: none"> ➤ Learner would gain insight into different types of animal behaviour and their role in biological adaptations. ➤ Learner would be sensitized to the feelings which are instrumental in social behaviour.
Unit: 2 Parasitology	<ul style="list-style-type: none"> ➤ Learner would understand the general epidemiological aspects of parasites that affect humans and take simple preventive measures for the same. ➤ Learner would comprehend the life cycle of specific parasites, the symptoms of the disease and its treatment
Unit 3 Economic Zoology	<ul style="list-style-type: none"> ➤ Learner would gain knowledge on animals useful to mankind and the means to make the most of it. ➤ Learner would learn the modern techniques in animal husbandry. ➤ Learner would pursue entrepreneurship as a career

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Programme outcomes (PO`s)

S. Y. B. Sc. Zoology (Semester-IV) Programme Outcomes: B. Sc Zoology

Department of Zoology	Department of Zoology
Programme outcomes (PO`s)	<p>PO`s 1: To acquaint the students with origin of earth, universe and life.</p> <p>PO`s 2: Students understands Evidences of evolution.</p> <p>PO`s 3: The pupils are getting awareness of scientific writings, various research methodology and ethics and research structure.</p> <p>PO`s 4: The students get acquainted with cell biology, and various organelles.</p> <p>PO`s 5: The pupils get an understanding of origin of life .universe</p> <p>PO`s 6: Students understands what are cells, endomembrane, nucleus.</p> <p>PO`s-7: Use modern techniques, decent equipment's and Zoology PPT's and videos.</p> <p>PO`s 8: To acquaint the taught with pollution and its types.</p> <p>PO`s 9: The students understands about about the sericulture, aquaculture & dairy industry which generates money.</p> <p>PO`s 13: Students get acquainted with the economy of Zoology as it creates source of income from various animals.</p> <p>PO`s 14: The pupils are highlighted with the knowledge of reproduction, pollution and embryology.</p>
Programme Specific Outcomes	<p>PSO-1. Gain the knowledge of Zoology through theory and practical.</p> <p>PSO-2. Study and understand the Structures and function of excretory organs .</p> <p>PSO-3. Understand the testing of hypothesis.</p> <p>PSO-4. Know structure-activity relationship</p> <p>PSO-5.. Understand good laboratory practices and safety. PSO-6. Develop research oriented skills.</p> <p>PSO-7. Make aware and handle the sophisticated instruments/equipments</p>

	<p>PSO-7.: Use modern Zoological tools, Charts, Models, and Equipments</p> <p>PO`s -8: Various illness, their causes are understood by students due to observing blood report.</p>
<p>Course Outcomes B. Sc Zoology Semester-IV Paper I Fundamentals of Genetics, Chromosomes and Heredity, Nucleic acids</p>	
Course	Outcomes
	After completion of these courses students should be able to;
Unit 1: Fundamentals of Genetics	<ul style="list-style-type: none"> ➤ Learner would comprehend and apply the principles of inheritance to study heredity. □ Learner will understand the concept of multiple alleles, linkage and crossing over. ➤
Unit: 2: Chromosomes and Heredity	<ul style="list-style-type: none"> ➤ Learner will comprehend the structure of chromosomes and its types. ➤ Learner will understand the mechanisms of sex determination. ➤ Learner would be able to correlate the disorders linked to a particular sex chromosome
Unit: 3 Nucleic acids	<ul style="list-style-type: none"> ➤ Learner will understand the importance of nucleic acids as genetic material. ➤ Learner would comprehend and appreciate the regulation of gene expressions
<p>Course Outcomes B. Sc Zoology Semester-IV Paper I Origin and Evolution of Life, Population Genetics and Evolution, Scientific Attitude, Methodology, Scientific Writing and Ethics in Scientific Research</p>	
Course	Outcomes
	After completion of these courses students should be able to;
Unit 1: Origin and Evolution of Life	<ul style="list-style-type: none"> ➤ Learner will gain insights into the origin of life. ➤ Learner will analyse and critically view the different theories of evolution.
Unit: 2: Population Genetics and Evolution	<ul style="list-style-type: none"> ➤ Learner would understand the forces that cause evolutionary changes in natural populations ➤ Learner would comprehend the mechanisms of speciation ➤ Learner will be able to distinguish between microevolution, macroevolution and megaevolution
Unit: 3 Scientific Attitude Methodology, Scientific Writing and Ethics in Scientific Research	<ul style="list-style-type: none"> ➤ The learner would develop qualities such as critical thinking and analysis ➤ The learner will imbibe the skills of scientific communication and he/she will understand the ethical aspects of research

Course Outcomes B. Sc Zoology
Semester-IV Paper II
Cell Biology, Endomembrane System and Biomolecule

Course	Outcomes
After completion of these courses students should be able to;	
Unit 1: Cell Biology	➤ Learner would acquire insight into the composition of the transport mechanisms adopted by the cell and its organelles for its maintenance and composition of cell
Unit: 2: Endomembrane System	➤ Learner would appreciate the intricacy of endomembrane system. Learner would understand the interlinking of endomembrane system for functioning of cell
Unit: 3 Biomolecules	➤ The learner will realize the importance of biomolecules and their clinical significance
Course Outcomes B. Sc Zoology Semester-IV Paper III Comparative Embryology, Aspects of Human Reproduction, Pollution and its effect on organisms	
UNIT 1: Comparative Embryology	<ul style="list-style-type: none"> ➤ Learner will be able to understand and compare the different types of eggs and sperms ➤ Learner will be able to understand and compare the different pre- embryonic stages
UNIT3: Pollution and its effect on organisms	➤ The learners will be sensitized about the adverse effects of pollution and measures to control it.
UNIT3: Pollution and its effect on organisms	➤ <input type="checkbox"/> The learners will be sensitized about the adverse effects of pollution and measures to control it.

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Zoology Department

Programme outcomes (PO`s)

T. Y. B. Sc. Zoology (Semester-V) Programme Outcomes: B. Sc Zoology

<p>Programme outcomes (PO`s)</p>	<p>PO`s 1:Demonstrate classification of invertebrates and vertebrates. Pos`s 2:. Create an awareness of the impact of Zoology on the environment, society, and development outside the scientific community PO`s 3: To study and understand the different types of phyla with the help of teaching aids like PPT`s, Videos, charts , models etc. PO`s 4: To inculcate the scientific temperament in the students and outside the scientific community. PO`s 5: The pupils develops an understanding about principals of taxonomy. PO`s-6. Use modern techniques, decent equipment`s and Zoology PPT`s and videos. PO`s 7: To acquaint the taught with the concept of hematology and immunity and its application. PO`s 8: The students understands application of clinical practices. PO`s 9: Scientific Attitude methodology inculcates scientific temperament in the learners. PO`s 10:To students develop an insight about tissues and its culture. PO`s 11: The pupil understands about toxicology due to various factors and about hemotoxins, neurotoxins and their source. PO`s 12: To calculate relations between co-relation, variations , various parameters , students develop an understanding by solving problems. PO`s 13: Students understands about skin and its derivatives, skeleton, muscles and embryology.</p>
<p>Programme Specific Outcomes</p>	<p>PSO-1. Gain the knowledge of Zoology through theory and practical. PSO-2. Study and understand the Structures and function Classification, anatomy, poisons, of animals. PSO-3. Understand the testing of hypothesis. PSO-4. Know structure-activity relationship PSO-5.. Understand good laboratory practices and safety. PSO-6. Develop research oriented skills. PSO-7.Make aware and handle the sophisticated instruments/equipment`s PSO-8.: Use modern Zoological tools, Charts, Models, and Equipments.</p>
<p>Course Outcomes B. Sc Zoology Semester-V Paper I Taxonomy - Invertebrates and Type Study</p>	
<p>Course</p>	<p>Outcomes</p>
<p>After completion of these courses students should be able to;</p>	
<p>Unit I:</p>	<p>➤ Learners will apprehend the basis of classification and modern classification up to class of the lower invertebrate animals.</p>

Principles of Taxonomy	
Unit II: Kingdom Animalia I	➤ The learners will be familiarized with classification up to phylum Nematoda along with their examples.
Unit III: Kingdom Animalia II	➤ Learners will get an idea of higher groups of invertebrate animal life, their classification and their peculiar aspects.
Unit IV: Type study: Sepia	➤ Learners will get an idea of general characteristics and details of invertebrate animal systems
Course Outcomes B. Sc Zoology Semester-V Paper II Haematology and Immunology	
Course	Outcomes
After completion of these courses students should be able to;	
Unit I: Basic Haematology	➤ The learner shall comprehend basic haematology. The learner will be able to identify various components of haemostatic systems
Unit II: Applied Haematology	<ul style="list-style-type: none"> ➤ The learner will be familiar with the terminology used and diagnostic tests performed in a pathological laboratory. ➤ The learner shall be acquainted with diagnostic approaches in haematological disorders. ➤ The learner will be better equipped for further pathological course or working in a diagnostic laboratory
Unit III: Basic Immunology	<ul style="list-style-type: none"> ➤ The learner shall comprehend the types of immunity and the components of immune system. ➤ The learner will realize the significant role of immune system in giving resistance against diseases.
Unit IV: Applied Immunology	<ul style="list-style-type: none"> ➤ The learner shall understand immunopathology and the principles and applications of vaccines. ➤ The learner will develop basic understanding of immunology of organ transplantation.
Course Outcomes B. Sc Zoology Semester-V Paper III Histology, Toxicology, Pathology and Biostatistics	
Course	Outcomes
After completion of these courses students should be able to;	
Unit I: Mammalian Histology	➤ Learner would appreciate the well planned organization of tissues and cells in the organ systems
Unit II: Toxicology	<ul style="list-style-type: none"> ➤ The course will prepare learner to develop broad understanding of the different areas of toxicology. ➤ It will also develop critical thinking and assist students in preparation for employment in pharmaceutical industry and related areas
Unit III: General Pathology	➤ Learner will be familiar with various medical terminology pertaining to pathological condition of the body caused due to diseases
Unit IV: Biostatistics	<ul style="list-style-type: none"> ➤ The learner will be able to collect, organize and analyse data using parametric and non- parametric tests. ➤ They will also be able to set up a hypothesis and verify the same using limits of significance.

Course Outcomes B. Sc Zoology
Semester-V Paper IV
Anatomy and Developmental Biology

Course	Outcomes
After completion of these courses students should be able to;	
Unit I: Integumentary system and derivatives	➤ Learner will be able to understand the importance of various types of epidermal and dermal derivatives along with their functions
Unit II: Human Osteology	➤ Learner will be able to understand the structure, types and functions of human skeleton.
Unit III: Muscles of long bones of Human limbs	➤ Learner will be able to understand the types of long limb muscles, its arrangement and their role in body movements
Unit IV: Developmental biology of Chick	➤ Learner will be able to understand the processes involved in embryonic development and practical applications of studying the chick embryology.

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Zoology Department

Programme outcomes (PO`s)

T. Y. B. Sc. Zoology (Semester-VI) Programme Outcomes: B. Sc Zoology

Department of Zoology	Department of Zoology
Programme outcomes (PO`s)	<p>PO`s 1: Demonstrate classification of vertebrates and shark`s all systems.</p> <p>Po`s 2:. Create an awareness of the impact of Zoology on the environment, society, and development outside the scientific community</p> <p>PO`s 3: To study and understand the different types of phyla with the help of teaching aids like PPT`s, Videos, charts , models etc.</p> <p>PO`s4: To inculcate the scientific temperament in the students and outside the scientific community.</p> <p>PO`s 5: The pupils develops an understanding about principals of taxonomy.</p> <p>PO`s 6: To acquaint the taught with the concept of enzymology, homeostasis, endocrinology and tissue culture.</p> <p>PO`s 7: The students understands molecular biology, mutations.</p> <p>PO`s 8 Scientific Attitude methodology inculcates scientific temperament in the learners.</p> <p>PO`s 9:To students develop an insight repairs mechanisms of DNA.</p> <p>PO`s 10: The pupil understands about genetic engineering.</p> <p>PO`s 11: Students understands the meaning of environment and its management , wildlife management, bioprospecting and Zoogeography.</p>
Programme Specific Outcomes	<p>PSO-1. Gain the knowledge of Zoology through theory and practical.</p> <p>PSO-2. Study and understand the Structures and function Classification, anatomy, poisons, of animals.</p> <p>PSO-3. Understand the testing of hypothesis.</p> <p>PSO-4. Know structure-activity relationship</p> <p>PSO-5.. Understand good laboratory practices and safety.</p> <p>PSO-6. Develop research oriented skills.</p> <p>PSO-7.Make aware and handle the sophisticated instruments/equipment`s</p> <p>PSO-8.: Use modern Zoological tools, Charts, Models, and Equipments.</p>
<p align="center">Course Outcomes B. Sc Zoology Semester-VI Paper I Taxonomy - Chordates and Type Study</p>	
Course	Outcomes
After completion of these courses students should be able to;	
Unit I: Phylum Chordata: Group Protochordata and Group Euchordata I	<ul style="list-style-type: none"> ➤ Learners will get an idea of origin of Chordates, its taxonomy up to class with reference to phylogeny and their special features.

Unit II: Group Euchordata II	➤ Learners will get an idea of pisces which are aquatic while tetrapod are terrestrial, arboreal and terrestrial animals,
Unit III: Group Euchordata III	➤ Learners will understand the characteristic features and examples of class of Reptilia, Aves and Mammalia
Unit IV: Type study: Shark	➤ Learners will get an idea of vertebrate animal life after studying one representative animal - shark
Course Outcomes B. Sc Zoology Semester-VI Paper II Physiology and Tissue Culture	
Course	Outcomes
After completion of these courses students should be able to;	
Unit I: Enzymology	<ul style="list-style-type: none"> ➤ The learner shall understand fundamentals of enzyme structure, action and kinetics. ➤ The learner shall appreciate the enzyme assay procedures and the therapeutic applications of enzymes
Unit II: Homeostasis	➤ The learner shall comprehend the adaptive responses of animals to environmental changes for their survival
Unit III: Endocrinology	➤ The learner shall understand the types and secretions of endocrine glands and their functions
Unit IV: Animal Tissue Culture	<ul style="list-style-type: none"> ➤ he learner shall understand the significance of tissue culture as a tool in specialized areas of research. ➤ The learner will appreciate its applications in various industries.
Course Outcomes B. Sc Zoology Semester-VI Paper III Genetics and Bioinformatics	
Course	Outcomes
After completion of these courses students should be able to;	
Unit I: Molecular Biology	<ul style="list-style-type: none"> ➤ Learner shall get an insight into the intricacies of chemical and molecular processes that affect genetic material. ➤ The course shall prepare learner to recognize the significance of molecular biology as a basis for the study of other areas of biology and biochemistry. ➤ Learner shall also understand related areas in relatively new fields of genetic engineering and biotechnology
Unit II: Genetic Engineering	<ul style="list-style-type: none"> ➤ The learner shall get acquainted with the vast array of techniques used to manipulate genes which can be applied in numerous fields like medicine, research, etc. for human benefit. ➤
Unit III: Human Genetics	➤ The learner shall become aware of the impact of changes occurring at gene level on human health and its diagnosis.
Unit IV: Bioinformatics	➤ Learner shall become aware of the computational point of view of studying the genomes.

Course Outcomes B. Sc Zoology
Semester-VI Paper IV
Environmental Biology and Zoopharmacognosy

Course	Outcomes
After completion of these courses students should be able to;	
Unit I: Environment management	➤ Learner will understand the different factors affecting environment, its impact and environment management laws
Unit II: Wildlife Management	<ul style="list-style-type: none"> ➤ Learner will be able to understand various methods for wildlife conservation. ➤ Learner will be able to apply knowledge to overcome the issues related to wildlife conservation and management.
Unit III: Bioprospecting and Zoopharmacognosy	➤ Learner will understand the paradigms of discovery and commercialization of biological resources and knowledge gained from self-medication observed in animals
Unit IV: Zoogeography	➤ The learners will become acquainted with how and why different animal species are distributed around the globe.