

DEPARTMENT OF ZOOLOGY

KAHM UNITY WOMEN'S COLLEGE, MANJERI

COURSE OUTCOME

BSc. Zoology (Complimentary)

SEMESTER 1

- To understand and admire the faunal diversity with a taxonomic perspective.
- To undertake a detailed study of the different organ system of a typical mammal.
- Type study of the Phylum Arthropoda.
- To create awareness and value the biodiversity of the Indian subcontinent.
- To know the various threats to wild life and biodiversity and adopt the diverse Conservation strategies.
- To appreciate and work towards sustainable development.
- Acquaintance with the specimens belonging to various Phyla and selected osteology histology items.

SEMESTER II

- To acquire an in depth knowledge on the morphology, life cycle and pathogenicity of some common pathogenic human parasites and device appropriate control measures.
- Create awareness on the parasites of some domestic animals.
- Role of vectors in disease transmission.
- To understand the morphology, lifecycle, damage and control measures adopted for the key pests of some common agricultural crops.
- To realise the role of social insects in the eco system.
- To understand the modern aqua culture techniques employed in blue revolution.
- Acquaintance with some of the key pests of common agricultural crops, human pathogenic parasites, vectors, social insects and selected specimens of economic importance.

SEMESTER III

- To understand the structure of the limiting membrane of the cell and the different mechanisms of molecular transport to maintain homeostasis.
- To understand the process of digestion, absorption and assimilation of nutrients.
- To know the factors affecting diffusion, methods of gas transport in human respiration, role of haemoglobin and selected respiratory disorders with a briefing on artificial ventilation.
- To understand functions of vertebrate system in detailed manner along with the composition of human blood.
- The relevance of blood transfusion.
- Describe the structure and function of human heart.
- To understand the osmoregulatory mechanism in different organisms.
- To familiarize the problem of kidney failure and importance of dialysis.
- To create interest in muscle functioning. Classification of types of muscles.
- To understand the mechanism involved in transmission of impulses through nerves.
- To introduce latest tools used in detecting nerve disorders.
- Analyse the relevance of toxicology, public health hazards by toxicants.
- To introduce a new vista on animal behaviour.
- Inculcate laboratory experience through blood group testing and slide preparations.

SEMESTER IV

- To understand the anomalies and disorders of chromosomes.
- Application of prenatal diagnosis for the detection of genetic abnormalities.
- To compare the different mechanism that exist in sex determination.
- To understand the intricacies of genes and their actions.
- To appreciate the variety of gene products - protein synthesis.
- To fascinate the scope of biotechnology in day today life.
- Create awareness on cancer.
- To make awareness on immunological system and the need of immunisation.
- To familiarise the advanced biological techniques.
- Improve the practical skill in displaying specimens.