

DEPARTMENT
OF
ZOOLOGY

COURSE OUTCOMES

SDGS COLLEGE
HINDUPUR

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COURSE OUTCOMES OF ZOOLOGY

I YEAR

SEMESTER-1

TITLE: ANIMAL DIVERSITY OF INVERTEBRATES

On completion of the courses students will be able

CO 1 - To Study the general characters and canal system in sycon.

CO 2 - To Study the life cycle of obelia and Fasciola

CO 3 - To Understanding Processing of vermiculture ,vermicompost ,Economic
Importance of Vemicost

CO 4 - To List characteristics of orthopoda
Create a model of pearl formation

CO 5 - To Study the process of water vascular system in star fish

I-YEAR

SEMESTER-II

TITLE-ANIMAL DIVERSITY OF CHORDATES

On completion of the courses students will be able

CO 1- To Study the structure and life history of Herdmania

CO 2- To Study the comparison of the petromyzon and myxine

Migration in fishes

CO 3- To List the characteristics of Amphibian

To Study the respiratory system of Calotes

CO 4 - To Study the migration in birds and flight adaptation in birds

CO 5 - To Study the Comparison of Prototherians ,Metatherians and Eutherians and
Dentition in mammals

II YEAR

SEMESTER-III

TITLE - CYTOLOGY ,GENETICS AND EVOLUTION

On completion of the courses students will be able

- CO 1** - To Study the structure of eukaryotic cell and plasma membrane
- CO 2** - To Study the Structure and functions of Ribosomes and Mitochondria.
- CO 3** - To Study the incomplete dominance and codominance
- CO 4** - To Study the sex determination and human karyotyping
- CO 5** - To Study the Lamarckism ,Darwinism,Neo-Darwinism

II YEAR

SEMESTER-IV

TITLE- EMBRYOLOGY ,PHYSIOLOGY AND ECOLOGY

On completion of the courses students will be able

- CO 1** - To Study the development types and functions of placenta in mammals
- CO 2** - To Study the structure of a mammalian heart
- CO 3** - To Study the structure and secretions and functions of endocrine glands
- CO 4** - To Study the components of ecosystem,Food chains and food web,energy flow
In Ecosystem
- CO 5** - To Study of physical and faunal peculiarities of oriental ,Australian and
Ethiopian regions

III YEAR

SEMESTER-V

PAPER-V

TITLE: ANIMAL BIOTECHNOLOGY

On completion of the courses students will be able

CO 1 - To Study the DNA modifying enzymes and their applications and cloning
Vectors

CO 2 - To Study the Southern, Northern and Western blotting hybridization
Techniques

CO 3 - To Study the Cell culture media and cell cultures

CO 4 - To Study the Manipulation of reproduction in animal sand transgenic animals

CO 5 - To Study the DNA finger printing.
How it support criminal confirmations

III YEAR

SEMESTER-V

PAPER-VI

TITLE: ANIMAL HUSBANDARY

On completion of the courses students will be able

CO 1 - To Study the Management of chicks, growers and layers.

CO 2 - To Study the Poultry diseases –viral , bacterial , fungal and parasitic :
Symptoms, control and management

CO 3 - To Understand the Selection, care and handling of hatching eggs

CO 4 - To Study the Housing of dairy animals – selection of site for dairy farms

CO 5 - To Study the care and management of dairy animals

III YEAR

SEMESTER-VI

PAPER-VII

TITLE: IMMUNOLOGY

On completion of the courses students will be able

CO 1 - To Study the organs of immune system

CO 2 - To Study the basic properties of antigens

CO 3 - To Study the Classes and functions of antibodies

CO4 - To Study the Exogens and Endogens pathways of antigen presentation and Processing

CO 5 - To Study the General introduction to vaccines and types of vaccines

III YEAR

SEMESTER-VI

CLUSTER PAPER- CL-VIII B-1

TITLE :PRINCIPLES OF AQUA CULTURE

On completion of the courses students will be able

CO 1 - To Study the Major cultivable species for aqua culture: fresh water/brackish Water and Marine water

CO 2 - To Study the Concept of Monoculture, Poly culture, Composite culture, Mono Sex culture and integrated fish farming

CO 3 - To Study the Seed resource: Natural seed resources and procurement of seed for Stocking: carp and shrimp

CO 4 - To Study the Culture of seaweeds: spices cultured, culture techniques,

Important by - Product, prospects

CO 5 - To Study the Culture of ornamental fishes, setting up and maintenance of

Aquarium: and breeding

III YEAR

SEMESTER-VI

CLUSTER PAPER- CL-VIII B.2

TITLE: AQUACULTURE MANagements

On completion of the courses students will be able

CO 1 - To Study the Bundh Breeding and induced breeding of carp by hypo physation

and use of Synthetic hormones

CO 2 - To Study the Water quality and soil characteristics suitable for fish and shrimp

culture

CO 3 - To Study the Feeding strategies : Feeding devices, feeding schedules and

ration size feed Evalution - feed conversion efficiencies and ratios

CO 4 - To Study the Specific and non specific defense systems in fish immunization

and Vaccination

CO 5 - To Understanding the Fishes training and education in India. Role of extension

in community Development

III YEAR

SEMESTER-VI

CLUSTER PAPER- CL-VIII B.3

TITLE: POST HARVEST TECHNOLOGY

On completion of the courses students will be able

CO 1 - To Study the Handling of fresh, storage and transport of fresh fish.

Post mortem changes Spoilage in marine fish and fresh water fish

CO 2 - To Understanding Traditional methods-sun drying salt curing, pickling and Smoking

CO 3 - To Study the Fish by-products –fish glue,ising glass, chitosen pearl essence Shark fish, fish leather and fish maws

CO 4 - To Study the Sanitation in processing plants – Environmental hygiene and personal Hygiene in processing plants

CO 5 - To Study the National and international standards-ISO 9000:2000 series of quality. Assurance system, codex Alimentarius