

Semester V: V (A) Animal Biotechnology
V (B) Animal husbandary

- PCR techniques
- Disease diagnosis techniques
- Cloning techniques
- Transgenesis techniques
- Dairy management
- Students got an idea on construct and maintain dairy farms
- Students got an idea on construct and maintain poultry farms
- Poultry management

Semester VI : VII - Immunology

- Idea on immunity
- Clinical idea
- Immunogenecity
- Acquired diseases and auto immunity

Cluster : Aqua culture

- From the three papers of aquaculture cluster students got a clear idea on fish morphology and biology
- Complete idea on construction of fish and prawn hatcheries
- Water analysis for fish culture
- Disease diagnosis of aquatic animals.
- It provides employment to students to settle in the field of aquaculture as marketing executives and as aqua technician.

COURSE OUTCOMES:

The BZC programme confined to 6 semesters. Each sem has specific outcomes like the following.

Semester I : Animal Diversity Of Invertebrates

- Students got an idea on identification and classification of animals.
- Got an idea on comparison between vertebrates and invertebrates
- Students can be benefited by knowing the various parasites, symptoms and their pathogen city.
- Students got knowledge on identification of phyto and zooplankton in aquatic bodies.

Semester II : Animal Diversity of Vertebrates

- An idea on identification and classification of vertebrates
- Identification of poisonous and non poisonous snakes
- Identification of edible and game fishes
- Identification of fresh and marine fishes
- Students will learn the outline knowledge on mammalian physiology

Semester III : Cytology, Genetics & Evolution

- Biochemical nature of cells of animals
- Cell organelles and their significance
- Process of inheritance
- Mendelian experiments
- Genetic disorders
- Sex determination in human beings
- Chromosomal disorders
- Process of evolution
- Factors influencing evolution
- Human origin and evolution

Semester IV : Embryology, Animal Physiology and Ecology

- A clear idea on types of eggs, cleavages
- Factors influencing fertilization
- Gametogenesis
- Placenta and its functions
- Complete idea on human physiology
- Estimation of sugar and urea quantity in human beings
- Pollution and its causes
- Ecosystem and its components
- Distribution of animals in 6 regions

S.K.B.R. COLLEGE, AMALAPURAM
DEPARTMENT OF ZOOLOGY
BZC (Botany, Zoology & Chemistry) Programme out comes

BZC is a three year degree course with botany, zoology and chemistry as group subjects. The group provides a comprehensive knowledge on the biology subjects. Besides providing an idea on Biology subjects it also provides the following outcomes.

- Microscope techniques
- Idea on animal diversity
- Identification of animal species
- Water analysis and estimation of water parameters
- Soil analysis
- Physiology of animals
- Biochemical structure of animals
- Origin of life and process of evolution
- Reproductive physiology and birth control
- Pathogens and their life cycles
- Knowledge on clinical tests and first hand experience on clinical tests
- A clear picture on factors influencing ecosystem
- Genes and their role in inheritance
- Sex determination in animals and human beings
- Idea on various types of pollution and pollutants
- Immunity and immunogenecity information
- Outline idea on embryology
- Cloning and transgenic techniques

Out comes in Jobs :

- BZC group provides an opportunity to settle in the field of teaching as teachers, lecturers and professors.
- Provide a chance to serve as fisheries officers in fisheries department.
- Chance to be recruit as forest officer
- Can settle as lab technician
- Can serve as medical representatives
- Can get job in agricultural sector
- Can settle as aqua technician
- Majority of the students thrive towards groups and APPSC services.
- Being graduates the students are eligible to attempt Bank, RRB, LIC and other central government recruitment tests.