



KLE Society's

Basavaprabhu Kore Arts, Science and Commerce College Chikodi

[Accredited at 'A' grade by NAAC with CGPA of 3.26 in 3rd Cycle]

College with Potential for Excellence [CPE]

DEPARTMENT OF ZOOLOGY

Course Outcomes [2019 – 20]

BSc First semester (A 380)

BIOLOGY OF NON-CHORDATES

[Syllabus is in force from 2017 – 18]

- CO₁ To inspire knowledge across diverse fields of Zoology.
- CO₂ Familiar with the invertebrates that surrounds us, will be able to identify and classify the animals
- CO₃ Able to appreciate the process of evolution (unicellular cells to complex, multi-cellular organisms)
- CO₄ Understand the basis of life processes in the animals and recognize the economically important invertebrates
- CO₅ To know the life cycles and mode of reproduction in members of invertebrates
- CO₆ To become familiar with various diseases, control measures

BSc Second semester (B 380)

BIOLOGY OF CHORDATES

[Syllabus is in force from 2017 – 18]

- CO₁ To know the significant fishes, amphibians, reptiles, birds and mammals for the survival of human beings
- CO₂ Recognize the economically important vertebrate fauna
- CO₃ To understand the different adaptations exhibited by fishes, amphibians, birds and mammals

BSc Third semester (C 380)

DEVELOPMENTAL BIOLOGY, ANIMAL PHYSIOLOGY AND BIOCHEMISTRY

[Syllabus is in force from 2018 – 19]

- CO₁ Understand the functions of various systems, apply the knowledge to lead a healthy life
- CO₂ Understand the importance of bio-molecules, familiar with various biochemical pathways
- CO₃ Enrich with details about the structures, development of Frog, Chick and human embryo at different stages including gametogenesis, fertilization, and implantation.
- CO₄ Understand the need of routine blood and urine analysis

BSc Fourth semester (D 380)

CELL BIOLOGY, HISTOLOGY AND ANIMAL BEHAVIOR

[Syllabus is in force from 2018 – 19]

- CO1 This course helps to know the basic units of life on Earth.
- CO2 The course addresses central themes in cellular division
- CO3 The student will be able to identify the basic structure of cells, tissues and organs and describe their contribution to normal function
- CO4 The student will be able to explain the relationship between histology and the pathogenesis of disease
- CO5 Knowing the theories to the training and management of animals, appropriate communication skills and their ability to work effectively as part of a team and provide helpful feedback to other team members

BSc Fifth semester Paper – I (E 460)

**Ecology, Evolution, Paleontology, Zoogeography and
Wildlife conservation (Revised syllabus)**

[With effect from 2019 – 20]

- CO₁ Recognize the importance of wildlife conservation
- CO₂ Appreciate the contribution of great scientists like Darwin, Lamarck, Hugo de Vries
- CO₃ Students will anatomical knowledge to enhance their personal lives
- CO₄ Learn to estimate dissolved oxygen , carbon dioxide and hardness of water

BSc Fifth semester Paper – II (E 470)

GENETICS, BIOTECHNOLOGY AND BIostatISTICS (Revised syllabus)

[With effect from 2019 – 20]

- CO₁ Distinguish Classical Genetics and Molecular Genetics
- CO₂ Understand the applications of Biotechnology with special reference to environment and agriculture
- CO₃ To become familiar with the tools and techniques used in microbiology and pathogenic microbes
- CO₄ Select from the data, use and interpret results of, descriptive statistical methods effectively.
- CO₅ Understand the different blood groups and significance of blood transfusion

BSc Sixth semester Paper – I (F 460)

APPLIED ZOOLOGY (Revised syllabus)

[With effect from 2019 – 20]

- CO₁ Understand perspectives of applied branches of zoology for the possibilities of self-employment.
- CO₂ Learn the basic principles involved in the scientific rearing of common domestic animals
- CO₃ Stimulates the mindset of students to establish an industry to prepare by-products of ready-to-cook / eat

BSc Sixth semester Paper – II (F 470)

MICROBIOLOGY AND MODERN TECHNIQUES IN BIOLOGY (syllabus revised)

[With effect from 2019 – 20]

- CO₁ Understand theoretical skills in microscopy and their handling techniques and staining procedures
- CO₂ Know the culture media of different microbes
- CO₃ Study the applications and also understand various chemical means of sterilization
- CO₄ Know General bacteriology and microbial techniques for isolation of pure cultures of bacteria, fungi and algae
- CO₅ Helps in understanding the advantages and hazards of microbial world. Advanced knowledge for growth and control micro organisms for wealth production