

**Department of Zoology**  
**Bankura Christian College**

**Program Outcomes:**

**Name of the Programme: (B.Sc.) Bachelor of Science**

**P.O. 1:** To produce a science graduate student who is liberal, logical, punctual, discipline, optimistic, free from any type of superstitions and has the ability to stand against any form of social inequality and injustice respecting the law of the land.

**P.O. 2:** To assess the existing knowledge, concepts, techniques, and methodology appropriate to the graduate's chosen discipline.

**P.O. 3:** On successful completion of the program students will have: In-depth knowledge and ability appropriate to undertake further study and research in a field of science.

**P.O. 4:** Ability to develop, conduct and manage a field based research project. Apply discipline-based and/or cross-discipline-based knowledge to design a problem-solving strategy.

**P.O. 5:** Ability to communicate a convincing and reasoned scientific argument to report scientific findings in front of audience during their presentation in seminar.

**P.O. 6:** To prepare the students for several competitive examinations such as Entrance test of other reputed Universities and Institutions.

**P.O. 7:** To generate skills, theoretical knowledge, and specialized practical skills to either gain employment in their relevant discipline or to succeed in further study such as Higher Degrees or Research.

## **Programme Specific Outcomes:**

### **Objectives:**

**P.S.O. 1:** The opportunity to develop a knowledge about the taxonomy and classification of animals and understanding of living organisms at several levels of zoological and biological organization from the molecular, through to cells and whole organisms and ecosystems from an evolutionary perspective.

**P.S. O. 2:** An understanding of environment, limiting factors, relationship among animals and measurement of diversity in ecosystem.

**P.S.O. 3:** An opportunity to develop a range of transferable skills (information and communication technology, team working, written and oral communication, time management, planning, data collection and presentation) and the capacity to give a clear and accurate account of the subject; working as a group in the excursion and field based projects.

**P.S.O. 4:** An education and training suitable for a wide variety of careers and to prepare you for higher degrees and careers in biological sciences research;

### **Knowledge and Understanding**

1. Students will be able to identify the major groups of organisms (Both Invertebrate and Vertebrates) with an emphasis on animals and be able to classify them.
2. Students will be able to compare and contrast the characteristics of animals that differentiate them from other forms of life. Students will also be able to know the distinguishing features of different phylum of animals.
3. Students will be able to know their environment, demography, ecosystem and biodiversity in the animal kingdom.
4. Students will be able to use the evidence of histology, comparative biology to explain the diversity of life on earth..
5. Students will be able to explain how organisms function at the level of the gene, genome, cell, tissue, organ and organ-system. Drawing upon this knowledge, they will be able to give specific examples of the physiological adaptations, development, reproduction and behavior of different forms of life.
6. Students will be able to demonstrate proficiency in the experimental techniques and methods of qualitative and quantitative analysis of major macromolecules.
7. Students will be able to know about different diseases, causative organisms, parasites, hosts, vectors and basic principles of immunology including vaccinations and cancer.
8. Students will be able to gather knowledge about the animal physiology and coordination and animal behaviour.
9. Students will be able to gather information about economic Zoology such as fishery and apiculture and may select it as their future career.