

Shri Shivaji Arts, Commerce and Science College, Motala, Dist. Buldhana

Program Outcomes & Course Outcomes

Department of Zoology

B. Sc. Zoology

Program outcomes

- Science graduates in zoology are expected to acquire the knowledge of animal science and environment by man
- Understanding the scientific temperament, concepts phenomenon
- Develop scientific attitude
- Develop skills in practical work, experiments and laboratory materials
- Ability to apply scientific methods, problem solving
- Ability to acquire scientific temper and Practical Skills

Course Outcomes

B. Sc. (Sem I - Sem VI)

Students will able to

- Classify Non Chordates animals
- Learn the habitats of different animals
- Get knowledge of economical importance of some animals
- Have the knowledge of which animals become the source of food
- Have the knowledge of diseases and their prevention like malaria, amoebiasis,
- Get the knowledge of structure of cell and cell organelles
- Know the functions of different cell organelles
- Get the knowledge of development process ie embryonic process in Amphioxus, Frog and Chick
- Have the knowledge of stem cells and its significance
- Practices incubation of chick egg.It will helpful them in poultry for how to hatch eggs
- Classify Chordates animals
- Have the knowledge of economical importance of some animals
- Have the knowledge of which animals become the source of human food anatomy and physiology of Chordate animals
- Students understood the Mendelian Laws and Assortments of traits in plants and animals
- Have the knowledge of genetic diseases and how these are transmitted

- Get the knowledge of process of evolution
- Have the knowledge of vestige organs, homologous organs and analogous organs
- Have the knowledge of physiological process in chordates ie physiology of circulation, osmoregulation, muscle physiology, nerve physiology ,reproductive physiology and endocrinology
- Count WBCs, RBCs, Haemoglobin percentage , blood pressure in Human
- Practices micro technique , a very basic principle of research work
- Students understand blood groups and related diseases
- Students understood the different ecosystem i.e. water, forest, etc. and also got the knowledge of role played by different organisms in ecosystem