

B.SC BOTANY COURSE OUTCOMES

Year- B. Sc 1st

Course-(DSC-IA) Biodiversity (Microbes, Algae, Fungi and Archegoniates) (Code-BOTA101)

- Understanding the diversity among various groups of plants.
- Knowledge about morphology, anatomy and life cycles of each and every plant group and their potential uses.

Course- (DSC-IB) Plant Ecology and Taxonomy (Code-BOTA-102)

- Identification and classification of plants and their relationships with physical and the biotic environment and their conservation.
- Understanding about the ecosystems and flow of energy in the universe.

Year- B. Sc 2nd

Course- (DSC-IA) Plant Anatomy and Embryology Code-(BOTA-201)

- Familiarize with the intricate internal and external structures of different plant parts.
- Gaining insights into the intricacies of plant reproduction including the development of flowers, mechanisms of pollination, fertilization, embryogenesis, and seed formation.

Course-(DSC-IB) Plant Physiology and Metabolism Code-(BOTA-202)

- Understanding the internal physiological processes which are essential for plant growth and survival.
- Learning about plant cell relation to water, photosynthesis, respiration, transpiration, mineral requirements, plant hormones and plant movement.

Course- Biofertilizers (SEC)

Code-(BOTA-203)

- Familiarize with the microbes used as biofertilizers and process of the production and formulation of biofertilizers.
- Emphasizing on the role of biofertilizers in environmentally friendly and sustainable farming practices.

Course- Gardening and Floriculture (SEC)

Code-(BOTA-204)

- Understanding of fundamental concepts of gardening, landscaping, and ornamental horticulture.
- Acquaintance with the cultivation practices for ornamental plants and various methods of plant propagation.

Year B. Sc-3rd

Course-(DSE-IA) Economic Botany and Biotechnology

Code-(BOTA-301)

- Understanding various uses of plants such as for food, medicine, fibre and beverages.
- Acquaintance with the concepts and, tools and techniques related to in-vitro propagation of plants and biotechnology.

Course- (DSE-IB) Cell and Molecular Biology

(Code-BOTA-303)

- Development of strong fundamental basics for molecular studies.
- Enumeration and appreciation of ultra-structure of plant cell and cell organelles.

Course-Medicinal Botany and Ethnobotany (SEC)

(Code-BOTA-306)

- Understanding the role of plants in human medicine.
- Development of the indigenous knowledge in the community and conserve the plants.

Course- Mushroom Cultivation Technology (SEC)

(Code-BOTA-307)

- Understanding mushrooms, their types and uses.
- Acquaintance with the cultivation, packaging and marketing of edible mushrooms.