

# Course Outcomes

## I. Semester I Honours

### **Paper: Microbiology and Phycology**

#### **Paper Code: DS-1**

CO1: Develop understanding on the concept of microbial nutrition and Classify viruses and algal group based on their characteristics and structures

CO2: Examine the general characteristics of bacteria and their cell reproduction/ recombination and Identify algal species on the basis of their thallus organization reproductive structure, life cycle etc.

CO3: Develop critical understanding of plant diseases and their remediation.

CO4: Increase the awareness and appreciation of human friendly viruses, bacteria, algae and their economic importance.

CO5: Conduct experiments using skills appropriate to subdivisions.

## II. Semester I General

### **Paper: Biodiversity (Microbes, Algae, Fungi And Archegoniates)**

#### **Paper Code: MA-1**

CO1: Develop understanding on the concept of microbial nutrition and examine the general characteristics of bacteria and their cell reproduction/ recombination; and classify viruses based on their characteristics and structures.

CO2: Understand the diversity among Algae, know the systematic, morphology and structure of Algae, understand the life cycle pattern of Algae, and understand the useful and harmful activities of Algae.

CO3: Understand the Biodiversity of Fungi, and know the Economic Importance of Fungi

CO4: Understand the morphological diversity of Bryophytes and Pteridophytes and Gymnosperms and know the evolution of Bryophytes and Pteridophytes and Gymnosperms.

CO5: Gain knowledge on the economic importance of the Bryophytes and Pteridophytes and Gymnosperms.

### **III. Semester II Honours**

#### **Paper: Mycology and Phytopathology**

#### **Paper Code: DS-2**

**CO1:** Understand the biodiversity of Fungi as well as its role in maintaining ecological balance and know the Economic importance of Fungi leading to Industrial application and human welfare.

**CO2:** Their use in humans as a source of tinder, traditional medicines, food, and enzymes as well as their dangers, such as toxicity or infection.

**CO3:** Know about the fungal diseases of humans and their treatments.

**CO4:** Understand the scope and importance of Plant Pathology.

**CO5:** Know the prevention and control measures of plant diseases and their effect on the economy of crops.

### **IV. Semester II General**

#### **Paper: Plant Ecology and Taxonomy**

#### **Paper Code: MA-2**

**CO1:** To understand ecological relationships between organisms and their environment and to identify diversity of life forms in an ecosystem and to know the phytogeographical distribution.

**CO2:** To understand the conceptual development of 'taxonomy' and 'systematics' as well as the phylogeny of angiosperms -A general account of the origin of Angiosperms and to understand the general range of variations in the group of angiosperms.

**CO3:** To trace the history of development of systems of classification emphasizing angiosperm taxa and to learn the wide activities in angiosperm and trends in classification.

**CO4:** To learn about the characters of biologically important families of angiosperms and to know the floral variations in angiosperm families, their phylogeny and evolution.

**CO5:** To understand various rules, principles and recommendations of plant nomenclature in plant identification and to understand major evolutionary trends in various parts of angiosperm plants.