



**SEMESTER: III**

**MAJOR DISCIPLINE SPECIFIC CORE COURSES:**

**PROGRAMME CODE: SCIUG103**

**SEM-III: SC23MJDSCBOT301: MYCOLOGY AND PHYTOPATHOLOGY**

***Programme specific Learning Outcomes:***

On completion of the course, the students will be able to:

- Identify true fungi and demonstrate the principles and application of plant pathology in the control of plant disease.
- Demonstrate skills in laboratory, field and glasshouse work related to mycology and plant pathology.
- Develop an understanding of microbes, fungi and lichens and appreciate their adaptive strategies.
- Identify the common plant diseases according to geographical locations and device control measures.

**SEM-III: SC23MJDSCBOT301A: ARCHEGONIATE**

***Programme specific Learning Outcomes:***

On completion of this course, the students will be able to:

- Demonstrate an understanding of archegoniatae, Bryophytes, Pteridophytes and Gymnosperms.
- Develop critical understanding on morphology, anatomy and reproduction of Bryophytes, Pteridophytes and Gymnosperms.
- Understanding of plant evolution and their transition to land habitat.
- Demonstrate proficiency in the experimental techniques and methods of appropriate analysis of Bryophytes, Pteridophytes, and Gymnosperms.

**MULTI / INTER DISCIPLINARY COURSE:**

**PROGRAMME CODE: SCIUG103**

**SEM-III: SC23MDCBOT303: MEDICINAL BOTANY**



**Programme specific Learning Outcomes:**

On completion of the course, the students will be able to:

- Recognize the basic medicinal plants.
- Apply techniques of conservation and propagation of medicinal plants.
- Setup process of harvesting, drying and storage of medicinal herbs.
- Propose new strategies to enhance growth of medicinal herbs considering the practical issues pertinent to India.

**INDIAN KNOWLEDGE SYSTEM:**

**PROGRAMME CODE: SCIUG103**

**SEM-III: SC23IKSBOT305: INDIGENOUS MEDICINAL SYSTEM**

**Programme specific Learning Outcomes:**

On completion of the course, the students will be able to:

- Recognize the basic medicinal plants in the Indian Continent.
- Apply traditional techniques of conservation and propagation of medicinal plants.
- Setup traditional process of harvesting, drying and storage of medicinal herbs.
- Propose new strategies to enhance growth of medicinal herbs considering the practical issues pertinent to the India.

**SKILL ENHANCEMENT COURSE:**

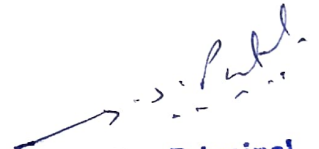
**PROGRAMME CODE: SCIUG103**

**SEM-III: SC23SECBOT306: MUSHROOM CULTIVATION**

***Programme specific Learning Outcomes:***

On completion of the course, the students will be able to:

- Recall various types and categories of mushrooms.
- Demonstrate various types of mushroom cultivating technologies.
- Examine various types of food technologies associated with mushroom industry.
- Value the economic factors associated with mushroom cultivation
- Devise new methods and strategies to contribute to mushroom production.

  
**I/c. Principal**  
**The H.S.N.B. Ltd. Science College**  
**Himatnagar-383001, S.K.**

