

Rayat Shikshan Sanstha's
Mahatma Phule Arts, Science & Commerce College, Panvel.

DEPARTMENT OF BOTANY

Program-B.Sc. in Botany

Program outcomes

PO1.Critical Thinking:

The curriculum made for the betterment of the students; enhance the ability and thinking power.

PO2. Effective Communication:

The complete medium of program is in English so students will communicate in the same.

PO3.Social Interaction:

Due to continuous field visits interior regions students interact with the social activities for their study.

PO4.Effective Citizenship:

Being the botanist students have to communicate with people, they become more familiar as well as interactive.

PO5.Ethics:

The subject teaches students about the ethical approach, not to cut the plants.

PO6.Environment and Sustainability:

Conservation practices are studied for sustainable development.

Program Specific Outcomes

PSO1.

- To provide thorough the knowledge about various plant groups from primitive to highly evolved.

PSO2.

- To make the students aware of applications of different plants in various industries.

PSO3.

- To highlight the potential of these studies to become an entrepreneur.

PSO4.

- To equippe with skills related laboratory as well as field based studies.

PSO5.

- To make the students aware about conservation and sustainable use of plants.

PSO6.

- To create: foundation for further studies in Botany.

PSO7.

- To address the socio-economical challenges related to plant sciences.

PSO8.

- To facilitate students for taking up and shaping a successful career in Botany.

Course Outcomes**F. Y. B. Sc.**

- To provide thorough knowledge about Botany various primitive plant groups.
- To make the students aware of applications of different plants in various industries.
- To highlight the potential of these studies to become an entrepreneur.
- To get acquainted with the subject in live form and visits to industries.

S. Y. B. Sc.

- To provide thorough knowledge about Botany various highly evolved plant groups and their community structure.
- To study the different metabolic process for synthesis of food material.
- Internal structure will be observed for Botany further studies as well as to study the developmental pattern of plant.
- To study the techniques of multiplication of plants.
- To equipped the students with skills related to laboratory as well as field based studies.

T. Y. B. Sc.

- Interpret the performance characteristics Botany & life cycles of various lower plants
- To develop the mind from the cellular to molecular level.
- Analyze the evolution with genetical characteristics for future aspects.
- Evaluate the performance of various line of evolution with respect to live and fossil forms.
- To develop the skills to become entrepreneurship for small scale startup.
- Apply optimization, numerical methods, statistical methods to solve problems.
- To study the different metabolic process for Botany synthesis of food material in details.
- To make the students aware about conservation and sustainable use of plants.
- Design different post harvest methods to cope over diseases.
- To study the techniques of multiplication techniques and seed storage technique.

**Head
Department of Botany**

