

Department of Botany

B.Sc. with Botany Pass Course

Programme outcomes

- Botany syllabus is designed to equip students with subject knowledge and practical skills about plants. It covers all the areas of plant sciences with combination of DSC, DSE and SEC components as per CBCS. Students were also sensitized about various environmental and sustainability issues.

Programme Specific Outcomes

1. Student completing the course is able to understand different branches of botany.
2. They are able to identify various life forms of plants, and conduct experiments about their basic studies.
3. Students get familiarized with use of various biotechnological tools.
4. Students are capable to perform short projects using various tools and techniques of plant sciences.
5. Complete knowledge of modern techniques like tissue culture, DNA fingerprinting and biotechnological aspects.



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Course Outcomes

S.No.	Name of Course	Subject Code	Subject Category	Course Outcomes
1	Biodiversity (Microbes, Algae, Fungi and archegoniates)	BOTA101	DSC	Study and impart knowledge about the various groups of plants, their life cycles and economic importance
2	Plant Ecology and Taxonomy	BOTA102	DSC	The concept of various ecological factors, environmental issues and ecosystems are clearly understood. Students will deepen their knowledge different vegetation types and plant communities of the country
3	Plant Anatomy and Embryology	BOTA201	DSC	The basic aspects of anatomy of plant tissues, organs and various reproductive aspects of plant life are covered. Students will be able to utilize the knowledge to identify plant materials and use them in various evolutionary studies etc.
4	Plant Physiology and Metabolism	BOTA202	DSC	Students become knowledgeable in plant and its water relations, plant growth and development, nitrogen metabolism and various other physiological processes. The energy releasing photosynthetic and respiratory mechanisms were clearly demonstrated to the students.
5	Biofertilizers	BOTA203	SEC	The course enables students to get knowledge about the various types of biofertilizers being prepared and used in today's day to day life for the improvement of our crops as well as our environment and also helps the students to learn about the benefits of organic farming and its relation to waste management.
6	Gardening and	BOTA204	SEC	It enables the student to

	Floriculture			understand the principles, planning and designing of the various aspects of gardening and landscaping. This will help them in employability skills by designing a landscape or as interior decorators.
7	Economic Botany and Biotechnology	BOTA301	DSE	Helps the students to get knowledge about the uses of various economically important plants and understand the basic principles of plant tissue culture and genetic transformation.
8	Cell and Molecular Biology	BOTA303	DSE	Various concepts of cell and its organelles were made clear and students will be able to understand the function of cells at molecular and genetic levels.
9	Medicinal Botany and Ethnobotany	BOTA306	SEC	Various systems of traditional medicines and importance of medicinal plants along with its bioactive compounds are provided to the students. Students were also given knowledge about the various tribes of the country and their experiences about the uses of different economically important plants.
10	Mushroom Cultivation Technology	BOTA307	SEC	Provide adequate knowledge about importance, habitat, nutritional value and cultivation methods of mushrooms. Students acquire knowledge about various factors influencing mushroom cultivation and post harvesting methods.


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