

**Program Outcomes (Pos)
Program Specific Outcomes (PSOs)
& Course Outcomes
For
BOTANY
(2021- 2022)**



**DEPARTMENT OF BOTANY
THE H. N. S. B. LTD. SCIENCE COLLEGE
N.H. - 48, MOTIPURA,
HIMATNAGAR (S. K.)
GUJARAT (383001)**

Program Outcomes(Pos)

PO-1	Critical Thinking: To mould a responsible citizen who is aware of most basic domain-independent knowledge, including critical thinking and communication.
PO-2	Social interaction: Elicit views of the others mediate disagreement and help reach conclusions in group settings.
PO-3	Environment and sustainability: Understand the issues of environmental contexts and Sustainable development.
PO-4	Ethics: Students will demonstrate and understanding of major concepts in all disciplines of Botany.

Program Specific Outcomes (PSOs)

PSO-1	Understand the nature and basic concepts of cell Biology, Biochemistry, Taxonomy, Anatomy, Ecology, cryptogams, Genetics Ethno botany and plant Physiology.
PSO-2	Analyze the relationships among animals, plants and Microbes
PSO-3	Perform Procedures as per Laboratory standered in the areas of Biochemistry, Taxonomy, Anatomy, Ecology, cryptogams, Genetics Ethno botany and plant Physiology.

Course Outcomes (COs)

Course	Outcome
CC-BOT-301 PC-BOT-301	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.
CC-BOT-302 PC-BOT-302	Demonstrate an understanding of archegoniate, 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.
ES-BOT-301 Plant Diversity & Human welfare	Develop understanding of the concept and scope of plant biodiversity. Identify the causes and implications of loss, apply skill to manage and Utilize various strategies for the Conservation of Biodiversity. Conceptualize the role of plants in human welfare with special reference to India.