

GOVT. DEGREE COLLEGE, NAIDUPET

DEPARTMENT OF BOTANY

COURSE OUT COME

I YEAR B.Sc SEM.I BOTANY PAPER I

COURSE CODE	COURSE NAME	COURSE OBJECTIVES	COURSE OUT COME
	DIVERSITY OF MICROBES, ALGAE AND FUNGI	<ol style="list-style-type: none">1) Origin and evolution of life, microbial diversity2) Viruses and bacteria.3) Algae and fungi	<p>Student becomes capable to know how life has originated on the earth and how life has evolved. diversity of microbes – Chlamydia, Archaeobacteria & Actinomycetes.</p> <p>Diversity of microbes along with Virus and Bacteria. The basic structure and variations of Virus and Bacteria.</p> <p>Also about their economic importance and diseases caused by Bacteria and Virus. So also he will understand about Algae and Fungi</p>

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I YEAR SEM-II . PAPER-II

COURSE CODE	COURSE NAE	COURSE OBJECTIVES	COURSE OUT COME
	DIVERSITY OF ARCHAEGONIATE & PLANT ANATOMY	DIVERSITY OF ARCHAEGONIATES- Bryophytes, Pteridophytes, Gymnosperms & Plant Anatomy	Student will easily understand the process of evolution. How the plants belonging to Bryophyta, Pteridophyta and Gymnosperms originated . He will also know about the internal structure of higher plants to get accommodated in varied atmospheric regions on this earth.

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II YEAR SEM-III, PAPER-III

COURSE CODE	COURSE NAME	COURSE OBJECTIVES	COURSE OUT COME
	TAXONOMY & EMBRYOLOGY	Introduction to plant taxonomy, systematic taxonomy and embryology	Students are trained to identify the variations in plant kingdom and to evolved a system of identification, naming (nomenclature) and classification . Knowledge is also imparted in students to understand the development of huge tree from a tiny seed and also about sexual reproduction and about the cause for the variation among the plants

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II YEAR, SEM-IV , PAPER IV

COURSE CODE	COURSE NAME	COURSE OBJECTIVE	COURSE OUT COME
	Plant physiology and Metabolism	Plant physiology and Metabolism	<p>Students are enlightened with the various environmental factors and their influence on the plant to respond properly to their environment and to sustain the ever changing surrounding factors.</p> <p>They also know about the various physiological and metabolic activities- essential for their sustenance in the nature i.e in take of mineral and water and their utility.</p> <p>through photosynthesis, respiration and growth and development</p>

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III YEAR, SEM-V, PAPER – V

COURSE CODE	COURSE NAME	COURSE OBJECTIVES	COURSE OUT COME
	CELL BIOLOGY , GENETICS AND PLANT BREEDING	Cell biology, genetic material- DNA & RNA inheritance – Mendelism’ linkage crossing over, plant breeding – crop improvement and biotechnology.	In this paper students are trained to understand the various traits of plants and the basics of heredity and also formation of novel characters leading to new varieties and species of plants used in plant breeding and crop-improvement and various biotechnological methods of crop-improvement.

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III YEAR, SEM-V, PAPER VI

Course Code	Course Name	Course Objectives	Course Outcome
	Plant ecology & phytogeography	Elements of ecology, ecosystem ecology, population and community ecology, plant biodiversity and its importance	Students are enlightened on the various aspects of nature. How the living organisms interact with their surrounding environment factors. Ecosystem helps us know about nature. Plant diversity provides us knowledge of varieties of plants for the welfare of human beings.

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III YEAR, SEM – VI, PAPER VII-ELECTIVE(VII B)

Course Code	Course Name	Course Objectives	Course Outcome
	Nursery, Gardening and Flori Culture	Nursery, Gardening and Floriculture	Elective helps the students to know the procedures to be followed in developing new and rear plants which provides ornamental, medicinal, wood yielding avenue and other important plants to safe guard us from disastrous pollutions and to provide eco friendly atmosphere