

Semesters	Name of Papers	Outcomes
Sem. I	Diversity of Cryptogams -I	<ul style="list-style-type: none"> • Study of cryptogams to understand their Diversity. • Know the systematics, morphology and structure of algae, fungi • Know life cycle pattern of cryptogams. • Know economic importance of cryptogams.
Sem. I	Morphology of Angiosperms	<ul style="list-style-type: none"> • Understand the habit of the angiosperm plant body. • Know the vegetative characteristics of the plant. • Learn about the reproductive characteristics of the plant. • Understand the plant morphology
Sem. II	Diversity of Cryptogams – II	<ul style="list-style-type: none"> • Learn about the importance of the plant diversity • Know the systematics, morphology and structure of algae, fungi ,bryophytes, and Pteridophytes • Know evolution of algae, fungi, bryophytes and Pteridophytes.
Sem. II	Histology, Anatomy and Embryology	<ul style="list-style-type: none"> • Be enlightened about the mechanism of pollination and basic structure of the embryo. • Understand external and internal structure of plants • Get knowledge on structure and development plant embryo. • Acquire knowledge on the physiological functions of plants.
Sem. III	Taxonomy of Angiosperms	<ul style="list-style-type: none"> • Understand economic importance of angiosperms. • The Students will understand various Angiosperm plant habits. • Learn about vegetative and reproductive structural features of Angiosperms. • Comprehend the concepts of plant taxonomy and classification of Angiosperms • Learn about various Angiosperm families and its economic value.
Sem. III	Plant Ecology	<ul style="list-style-type: none"> • Know the biotic and abiotic components of ecosystem. • Food chain & food web in ecosystem. • Understand diversity among various groups of plant kingdom. • Understand plant community & ecological adaptation in plants. • Scope , importance and management of biodiversity
Sem. IV	Gymnosperms and Utilization of Plants	<ul style="list-style-type: none"> • Systematic study of gymnosperms • Understand economic importance of gymnosperms. • Understand the scope of economic botany. • Know the botanical resources like non wood forest products. • Understand the scope of economic botany.

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Sem. IV	Plant Physiology	<ul style="list-style-type: none"> • Know scope and importance of plant physiology. • Understand plant & water relation. • Understand process of photosynthesis, C3, C4, CAM pathways. • Understand the process of respiration, growth and developmental process in plant. • Understand the biochemistry of cell. • Understand the different biochemical reaction of biomolecules in plant cell. • The Students will learn about absorption, translocation and utilization of water and other minerals.
Sem. V	Cell Biology and Molecular Biology	<ul style="list-style-type: none"> • Gain knowledge about cell and its function. • Learn the scope and importance of molecular biology. • Understand ultra-structure of cell wall, plasma membrane and cell organelles • Understand the biochemistry of cell. • Understand the biochemical nature of nucleic acid and their role in living systems.
Sem. V	Plant Pathology	<ul style="list-style-type: none"> • Know the concept, scope and importance of Plant pathology. • Account of Plant disease classification. • Know disease cycle and disease development. • Know the effect of plant diseases on economy of crops. • Know the methods of studying plant diseases. • They can identify the plant diseases like bacterial, fungal and nematodal disease. • Know the disease forecasting. • Know the prevention and control measures of plant diseases.
Sem. VI	Genetics and Biotechnology	<ul style="list-style-type: none"> • Understand the Mendelian and neo Mendelian genetics. • Know about interaction of genes, multiple alleles and linkage and crossing over. • Know about sex linked inheritance, chromosomal aberrations. • Know the evolutionary sequence of various groups of plants. • Understand the fundamental of recombinant DNA technology.
Sem. VI	Microbiology and Disease Management	<ul style="list-style-type: none"> • The student will understand how to analyse the basic concepts, methods, scopes, classifications, characterization, diseases and economic importance of microorganisms. • Understand the importance of microorganisms. • Learn about the pathogenic microorganisms and their mode of entry and control measures.