YOGODA SATSANGA PALPARA MAHAVIDYALAYA

DEPARTMENT OF BOTANY

Programme Specific Outcome based on CCFUP,2023 & NEP,2020

Botany Major & Minor

After successful completion of B.Sc (Multidisciplinary) & Minor degree program in Botany, students should be able to achieve the following outcomes:

- The students studying Botany is learning the various branches of Botany like classification, origin, morphology, reproduction of different plant groups & microbes, Ecology & Ecosystem, Biodiversity, Taxonomy & Systematics, Anatomy, Embryology, Plant Physiology, Biochemistry, Genetics, Cell biology, Molecular Biology of different life forms.

- The students become efficient & expert on the technical & analytical skills of plant sciences.

- The students are also learning the use of microscopes, identifying plant specimen, herbarium preparation, permanent slide preparation, identifying microbes, executing physiology, biochemistry, cell biology, genetics & molecular biology experiments.

- Students are also understanding the diversity of different plant groups with the help of field study & survey.

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Department of Botany

Course Specific Outcome for semester I & II under CCFUP-2023 & NEP-2020

Semester	Paper	Name of the course	Course outcome
Semester I (Minor)	BOTMI-01 (Honours General)	Introduction to microbial world	The students will learn the Five kingdom system of Whittaker's.
		Virus and Bacteria	The students will learn characteristic , classification and economic importance of Virus and Bacteria.
		Algae and Fungi	The students will learn the general character, classification, life cycle and economic importance of Algae and Fungi.
		Bryophytes, Pteridophytes and Gymnosperms	The students will learn classification, morphology, anatomy , reproduction and economic importance.
		Paleobotany	The students will learn Geological time scale importance events, and types of fossils

Semester	Paper	Name of the course	Course outcome
Semester II (Minor)	BOTMI-02	Plant morphology	The students will learn the general account of root, stem, leaves of monocot and dicat plants.
		Flower, fruits and seeds	The students will learn differents inflorescence, aestivation, plasentation, floral formula and diagram and various types of fruits and seeds of flowering plants.
		Structure and development of plant body	The students will learn the tissue system, vascular bundle, secondary growth and annual ring of plant body.
		Plant systematics and taxonomic higherchy	The students will learn Herbarium, botanical garden, keys, concept of taxa, nomenclature, ICBN, and various publication.
		System of classification	The students will learn classification of various family i.e. Malvaceae, Acanthaceae, Verbenaceae, Asteraceae and Poaceae.
		General description of the families	The students will learn Salient features & morphological characters of various plant families.

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Course Specific Outcome for semester I & II under CCFUP-2023 & NEP-2020

Semester	Paper	Name of the course	Course outcome
Semester II (Major)	BOTPMJ101 (Multidisciplinary)	Introduction to microbial world	The students will learn the Five kingdom system of Whittaker's.
		Virus and Bacteria	The students will learn characteristic , classification and economic importance of Virus and Bacteria.
		Algae and Fungi	The students will learn the general character, classification, life cycle and economic importance of Algae and Fungi.
		Bryophytes, Pteridophytes and Gymnosperms	The students will learn classification, morphology, anatomy , reproduction and economic importance.

		Paleobotany	The students will learn Geological time scale importance events, and types of fossils

Semester	Paper	Name of the course	Course outcome
Semester II	BOTMI-02(Honours General)	Plant morphology	The students will learn the general account of root, stem, leaves of monocot and dicat plants.
		Flower, fruits and seeds	The students will learn differents inflorescence, aestivation, plasentation, floral formula and diagram and various types of fruits and seeds of flowering plants.
		Structure and development of plant body	The students will learn the tissue system, vascular bundle, secondary growth and annual ring of plant body.
		Plant systematics and taxonomic higherchy	The students will learn Herbarium, botanical garden, keys, concept of taxa, nomenclature, ICBN, and various publication.
		System of classification	The students will learn classification of various family i.e. Malvaceae, Acanthaceae, Verbenaceae,

			Asteraceae and Poaceae.
		General description of the families	The students will learn Salient features & morphological characters of various plant families.