

Govt. Navin College Hasoud

Course outcome of Botany after successful completion of three years

Program outcome :-

1. To natural interest in the student for the subject of Botany.
2. To create awareness of the basic and modern concept of Botany .
3. To orient students about the importance of abiotic and biotic factors .
4. To provide knowledge about environment and its conservation
5. To provide knowledge about cultivation of economic important plants.
6. To include good lab practices in students and to train them about scientific handling of important instrumnts.

Program specific outcome:-

1. To understand the diversity among plant kingdome.
- 2.understandings the historical ranges of plants.
3. To create practical approaches among the students.
4. To introduce students with the basic concept of Botany .
5. To introduce students with the concepts , nature and characteristics of different types of plants .
- 6.To make the learners aware about conceptual knowledge and evolution of plants.
7. To familiarize the learners with the different physiological activities of different plants .
8. knowledge of the different phylums of the plants.
9. To understand the use of plants and plant products for their livelihood.
- 10.To understand the economic importance of plants.

SN	CLASS	COURSE	COURSE OUTCOME
1	B.Sc. I	<i>Pepar -1</i> Bacteria, Virus, Fungi, Lichen and Algae	1.To understand the nature and basic concept of microbes and lower plants.
			2. To understand the basic concept and life cycle of Bacteria, Virus ,Fungi Lichen and Algae.
			3. To understand the basic concept and use of Blue green Algae as biofertilizer.
			4. To understand the plant diseases and their control..
			5. To understand the economic important of lichen and mushroom culture.
2.		<i>Pepar-2</i> Bryophytes, Pteridophytes , Gymnosperm s and Paleobotany	1.To understand basic concept of Bryophytes Pteridophytes ,and Gymnosperm.
			2.To learn first time stealer system in pteridophytes.
			3.To explain different theories related to plants organ development.
			4.To explain life cycle pattern and economic important of Gymnosperms.
			5.To learn about fossilization and fossil plants.
3.	B.Sc. II	<i>Pepar-1</i> Plant Taxonomy, Economic Botany, Plant Anatomy and Embryology	1. To explain different methods of plants classification ,nomenclature and famous Botanical garden of India and World .Knowledge about preservation of plants material and Herbarium techniques.
			2. To study of systematic position, distinguishing characters and economic important of some angiosperms.
			3. To understand the Botanical name ,Family, part uses of of economically important plants as- fiber yielding, cotton, jute, sun, hemp, coir, timber yielding medicinal plants ,fruits, spices, millets vgitabls ,flowers, and Ethnobotany in Chhattisgarh State.
			4. To learn about Anatomy and anomalies of plants parts.
			5. To learn about flower ,reproduction, pollination and Embryology of plants.
4.		<i>Pepar-2</i> Ecology and plant Physiology	1.To understand basic concept of environmental and ecological factors ,Soil factor and adaptation.
			2.To understand population, life forms succession, Ecosystem-Biotic and Abiotic factors, and Biogeochemical cycles.
			3 .To understand plants water related physiological activities.
			4.To understand the photosynthesis and respiration in plants.
			5. To explain plant hormones, photoperiodism ,Vernalization, Seed dormancy ,Germination and Plant movements.
5.	B.Sc. III	<i>Pepar-1</i> Analytical	1. To understand structure ,principal, and application ,of analytical instrumentation.

		technology plant pathology, Experimental Embryology, Elementary Biostatistics, Environmental pollution and Conservation	2. To understand plant tissue culture techniques and growth media. 3. To learn about general plant pathology plant diseases and its control. 4. To explain about general pollution and Biodiversity and conservation methods. 5. To understand about Elementary Biostatistics and its applications.
6.		Pepar-2 Genetics, Molecular Biology, Biotechnology and Biochemistry	1. To understand Cell biology and structure and function of cell organelles. Genetic law, Chromosome structure and sex determination in plant 2. To understand structure and function of DNA and RNA and GENE. 3. To understand basic concept of Biotechnology. 4. To learn about protein, Carbohydrate and lipid 5. To learn Enzyme nomenclature structure and its function