

BOTANY

B. Sc. First Year, Semester – I

Theory Course code: DSC1

Course Name: MORPHOLOGY OF ANGIOSPERMS

Course type: Major mandatory Discipline specific course

Objectives:

The mandatory course Morphology of Angiosperms includes basic vegetative body parts Root, Stem, Leaves and Reproductive organs of the flowering plants.

- The course aims to expose the students to the plant parts and variations in it.
- The course will teach systematics, general characteristics of angiosperms, peculiarities of floral parts, fruit and seed dispersal strategies adopted by the angiosperms.

Outcomes:

On the successful completion of the course, student will be able to-

- Describe morphological peculiarities of vegetative organs of Angiosperms.
- Describe morphological peculiarities of reproductive organs in Angiosperms.
- Know the diagnostic features of plant species.

B. Sc. First Year, Semester – II

Theory Course code: VSC1 (ii)

Course Name: ORGANIC COMPOSTING

Course type: Vocational skill course

Objectives:

- Develop their understanding on the concept of organic composting.
- Identify the different forms of organic composting systems and their uses.
- Green manuring and organic fertilizers.
- Develop the integrated management for better crop production by organic composts.

Outcomes:

On the successful completion of the course, student will be able to-

- Acquire the knowledge of organic composting techniques.

- Learn laboratory skill, lab organization and nutritional importance of different organic composts.
- Understand about the composting techniques and its economics.

B. Sc. First Year, Semester – II

GE/OE2

Course Name: POMOLOGY

Course type: General/Open elective Course

Objectives:

- To provide the knowledge of the basic principles of the life cycle of fruit trees.
- To know the effect of environmental factors, physiological basis for nutrition and cultural practices in fruit crop cultivation.
- To understand the basic propagation principles and techniques used in fruit growing technologies.

Outcomes:

On the successful completion of the course, student will-

- Enrich the knowledge about Horticulture principle and practices relevant to fruit cultivation and will take initiative to cultivate fruits.
- Apply fundamental aspects of orchard operations and its management.
- Become expert in plant propagation techniques.

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