**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.

**DR. SHAIKH RAFEEQUE**

**HOD, BOTANY**