

**UNIT I**

Introduction and characteristics of plant; Concept of plant cells, plant tissue and plant organs.

**UNIT II**

Plant habits: annuals, biennials, perennials; Seed and seed germination; Morphology and Micro-morphology of flowering plants.

**UNIT III**

Binomial nomenclature and classification of plants; Introduction to plant taxonomy and plant systematic

**Practical(s)**

1. Study of flowering plants; Root, stem and leaf and their modifications.
2. Inflorescence, flower and fruits.
3. Internal structure of root, stem and leaf;
4. Description of plants: Malvaceae, Fabaceae, Cucurbitaceae, Brassicaceae, Euphorbiaceae, Apiaceae, Solanaceae, Asteraceae, Poaceae and Liliaceae.