

SYLLABUS

Unit—1

General characteristics of Angiosperms. Plant nomenclature and International Code of Botanical Nomenclature. Common names and scientific names, principles and rules: taxonomic ranks: type concept (Holotype, Isotype, Syntype, Paratype, Lectotype, Neotype and Topotype) : principle of priority, aims and objectives of plant taxonomy.

A brief account of Bentham and Hooker's System of classification, its merits and demerits.

Unit—2

★ Terminology pertaining to floral description.

General account and diagnostic features of the following families (excluding economic importance) :

Liliaceae : *Asphodelus/Asparagus*

Gramineae (Poaceae) : *Triticum* (✓)

Ranunculaceae : *Ranunculus* and *Delphinium*

Brassicaceae : *Brassica* (✓)

Unit—3

General account and diagnostic features of the following families (excluding economic importance) :

Rutaceae : *Citrus* and *Murraya*

Malvaceae : *Hibiscus* ✓

Fabaceae : *Lathyrus, Cassia* and *Acacia* →

Umbelliferae (Apiaceae) : *Coriandrum* ↷

Unit—4

General account and diagnostic features of the following families (excluding economic importance) :

Compositae (Asteraceae) : *Helianthus/Ageratum*

Asclepiadaceae : *Calotropis*

Solanaceae : *Solanum* and *Petunia* ✓

Labiatae (Lamiaceae) : *Ocinum*

Chenopodiaceae : *Chenopodium*