

PROGRAMME: MASTER OF SCIENCE BOTANY (MSCBOT-21)

Year/ Semester: Ist semester

Course Code: MSCBOT-504

**COURSE NAME- TAXONOMY OF FLOWERING PLANTS
(ANGIOSPERMS)**

UNIT SCHEDULE

BLOCK-1-CLASSIFICATION AND PHYTOGEOGRAPHY

Unit-1-Principles, History and Phases of taxonomy

Unit-2-Phytogeographical regions of India, Endemism, Hotspots

Unit-3-Plant exploration, Invasion and Introduction, Herbaria and Botanical gardens

BLOCK-2-FUNDAMENTALS OF ANGIOSPERMS

Unit-4-Taxonomic tools and Hierarchy

Unit-5-Plant Nomenclature

Unit-6-Taxonomic evidences, Modern approaches in Taxonomy

BLOCK-3-DIAGNOSTIC FEATURES OF SELECTED FAMILIES

Unit-7- Ranunculaceae, Magnoliaceae, Brassicaceae, Dipterocarpaceae, Malvaceae and Rutaceae

Unit-8- Fabaceae (Papilionaceae), Caesalpiniaceae, Mimosaceae, Rosaceae, Cucurbitaceae and
Apiaceae (Umbelliferae)

Unit-9- Ericaceae, Asclepidaceae, Solanaceae, Acanthaceae, Lamiaceae and Euphorbiaceae

Unit-10- Orchidaceae, Liliaceae, Arecaceae (Palmae), Cyperaceae and Poaceae (Graminae)