

**B.Sc – BOTANY SYLLABUS UNDER CBCS
CORE PAPER.. III SEMESTER-III THEORY**

Plant Anatomy and Taxonomy

BLOCK-I ANATOMY

Unit-1: Meristems and Tissues

Unit-2: Leaf internal structure

Unit-3: Primary structure of Stem and Root - Dicots and Monocots

BLOCK-II SECONDARY GROWTH & WOOD ANATOMY

Unit-4: Secondary growth

Unit-5: Anatomy of Stem & Root

Unit-6: Wood Structure

BLOCK-III PLANT TAXONOMY

Unit-7: Principles of Plant taxonomy & Nomenclature

Unit-8 : Systems of Classification

Unit-9: Recent trends in Plant Taxonomy

BLOCK – IV SYSTEMATIC TAXONOMY

Unit-10: Salient features & Economic Importance of Polypetalae

Unit-11: Salient features & Economic Importance of gamopetalae

Unit-12: Salient features & Economic Importance of Monochlamydae and monocotyledons

**B.SC PRACTICAL- III
PLANT ANATOMY AND TAXONOMY**

BLOCK I: ANATOMY

Unit-1: Tissues and Reserve Products

Unit-2: Stomatal types

Unit-3: Preparation of double stained Permanent slides

Unit-4: Section cutting

BLOCK II: TAXONOMY: SYSTEMATIC STUDY

Unit-5: Families of Polypetalae

Unit-6: Families of Gamopetalae

Unit-7: Families of Monochlamydae and monocotyledons

Unit-8: Demonstration of Herbarium techniques.