

Paper Code: BOT-552

Paper Name: Medicinal Plants and Embryology of Angiosperms

BLOCK – I: MEDICINAL PLANTS – I

- Unit –1 : Role of Plants in Medicine, Origin and Development and Different Systems of Medicine
- Unit –2 : General Account of Phytochemistry of Medicinal Plants
- Unit –3 : Morphology, Active Principles and Medicinal Value – I
- Unit –4 : Morphology, Active Principles and Medicinal Value – II

BLOCK – II: MEDICINAL PLANTS – II

- Unit –5 : Cultivation of Medicinal Plants
- Unit –6 : Pharmacognosy and Adulteration of Plant Drugs
- Unit –7 : Ethnobotany – History, Scope and Importance
- Unit –8 : Conservation of Medicinal Plants

BLOCK – III: EMBRYOLOGY OF ANGIOSPERMS – I

- Unit –9 : Structure of Anther and Development of Male Gametophyte
- Unit –10 : Structure of Ovule and Development of Female Gametophyte
- Unit –11 : Fertilization
- Unit –12 : Sexual Incompatibility

BLOCK – IV: EMBRYOLOGY OF ANGIOSPERMS – II

- Unit –13 : Development of Endosperm
- Unit –14 : Development of Embryo
- Unit –15 : Apomixis
- Unit –16 : Polyembryony

BLOCK – V: EMBRYOLOGY OF ANGIOSPERMS – III

- Unit –17 : Parthenocarpy
- Unit –18 : Experimental Embryology
- Unit –19 : Applications of Embryology in Taxonomy Agriculture and Horticulture
- Unit –20 : Principles and Applications of Palynology