

**B.Sc- BOTANY SYLLABUS UNDER CBCS
CORE PAPER..IV SEMSTER-IV
Developmental Biology and Medicinal Botany**

BLOCK-I DEVELOPMENTAL BIOLOGY

- Unit-1: Microsporogenesis and Male gametophyte development
- Unit-2: Megasporogenesis and Female gametophyte development
- Unit-3: Pollination.

BLOCK-II EMBRYOLOGY AND PALYNOLOGY

- Unit-4: Endosperm
- Unit-5: Embryo
- Unit-6: Palynology

BLOCK-III ETHNOMEDICINE& COMMON MEDICINAL PLANTS

- Unit-7: Ethnomedicine
- Unit-8: Traditional Medicine
- Unit-9: Plants in primary health care

BLOCK-IV MODERN MEDICINE

- Unit-10: Traditional Medicines vs Modern medicines
- Unit-11: Pharmacognosy
- Unit-12: Plant crude drugs

B.SC PRACTICAL- IV

DEVELOPMENTAL BIOLOGY&MEDICINAL BOTANY

BLOCK.I DEVELOPMENTAL BIOLOGY

- Unit-1: structure of pollen grains
- Unit-2: Pollen viability test: Evans blue-Hibiscus
- Unit-3: Ovule types
- Unit-4: Dicot and Monocot embryo

BLOCK-II MEDICINAL BOTANY

- Unit-5: Identification, medicinal value active principle
- Unit-6: Ethno medicinal value
- Unit-7: Pharmacognosy, powdery analysis
- Unit-8: Organoleptic (sectional study)