

**B.Sc- BOTANY SYLLABUS UNDER CBCS
CORE PAPER..II SEMESTER-II
Bryophyta, Pteridophyta, Gymnosperms &Palaeobotany**

BLOCK-I BRYOPHYTA

Unit-1: General account and classification of Bryophyta

Unit-2: Life history of *Marchantia*, *Anthoceros* and *Funaria*.

Unit-3: Evolution of sporophyte in Bryophytes.

BLOCK-II PTERIDOPHYTA

Unit-4: General account and classification of Pteridophyta

Unit-5: Life history of *Rhynia*, *Lycopodium*, *Equisetum* and *Marsilea*.

Unit-6: Stellar Evolution and Heterospory and seed habit in pteridophytes.

BLOCK-III GYMNOSPERMS

Unit-7: General account and classification of Gymnosperms

Unit-8: *Pinus*

Unit-9: *Gnetum*

BLOCK-IV PALAEOBOTANY

Unit-10: Palaeobotany: Fossils.

Unit-11: *Lyginopteris*

Unit-12: *Williamsonia*

B.Sc PRACTICAL-II

BRYOPHYTES, PTERIDOPHYTES, GYMNOSPERMS AND PALEOBOTANY

BLOCK I: BRYOPHYTA AND PTERIDOPHYTA

Unit-1: *Marchantia*, *Anthoceros*

Unit-2: *Funaria*

Unit-3: *Lycopodium*, *Equisetum*

Unit-4: *Marsilea*.

BLOCK II: GYMNOSPERMS AND PALEOBOTANY

Unit-5: *Pinus*

Unit-6: *Gnetum*

Unit-7: *Lyginopteris*

Unit-8: *Ptilophylam*