

Paper Code: BOT-502

Paper Name: Biology and Diversity of Algae, Bryophyta and Pteridophyta

BLOCK – I : ALGAE – I

- Unit –1 : General Characters and Classification
- Unit –2 : Thallus Organisation in Algae
- Unit –3 : Reproduction and Life Cycles of Algae
- Unit –4 : Life Histories of Some Genera of Chlorophyta – I
- Unit –5 : Life Histories of Some Genera of Chlorophyta – II

BLOCK – II : ALGAE – II

- Unit –6 : General Characters of Cyanophyta
- Unit –7 : General Characters of Some Genera of Xanthophyta
And Bascillariophyta
- Unit –8 : General Characters and Life Histories of Some Members
Of Phaeophyta
- Unit –9 : General Characters and Life Histories of Rhodophyta
- Unit –10 : Economic Importance of Algae

BLOCK – III: BRYOPHYTA

- Unit –11 : General Characters, Classification, Distribution and Economic
Importance of Bryophytes
- Unit –12 : Marchantiales (Marchantia) and Fungermanniales (Pellia)
- Unit –13 : Anthoceratales (Anthoceros) and Sphagnales (Sphagnum)
- Unit –14 : The Evolution of Gametophyte
- Unit –15 : Evolution of Sporophyte

BLOCK – IV: PTERIDOPHYTA

- Unit –16 : General Characters and Classification of Pteridophytes
- Unit –17 : Structure and Life Histories of Psilotum, Lycopodium,
Selaginella and Equisetum
- Unit –18 : Telome Theory and Stelar Evolution
- Unit –19 : Hetrospory and Seed Habit
- Unit –20 : Fossil Pteridophytes (Rhynia, Psilophyton and Calamites)