

25BBO102
UG PROGRAM (4 YEARS HONOURS) WITH SINGLE MAJOR
AT THE END OF FIRST SEMESTER
BOTANY – DIVERSITY OF THALLOPHYTES (B.Sc. HONOURS-MAJOR)
(w.e.f. Admitted Batch 2025-26)

Time: 3 Hours

Maximum: 70 Marks

Section-A

Answer any Five Questions.

5x4=20

1. Pigments in Algae.
2. Carposporophyte.
3. Nutrition in Fungi.
4. Asexual reproduction in *Rhizopus*.
5. Types of Lichens based on morphology.
6. Tetrasporophyte.
7. Ainsworth classification of fungi.
8. Anatomy of Lichen thallus.

Section-B

Answer All Questions.

5x10=50

9. a) Give an account on Fritsch classification of algae.
(Or)
b) Explain the economic importance of Algae.
10. a) Explain the life history of *Ectocarpus*.
(Or)
b) Give an account on types of conjugation in *Spirogyra*.
11. a) Explain the economic importance of Fungi.
(Or)
b) Give an account on general characteristics of Fungi.
12. a) Describe the life history of *Puccinia graminis tritici*.
(Or)
b) Describe the life history and economic importance of *Penicillium*.
13. a) Explain the economic importance of Lichens.
(Or)
b) Give an account on reproduction in Lichens.