

### SECTION-D

1. Discuss the bacterial and fungal pathogens of algae. 10
2. Discuss the structure and methods of reproduction in Rivularia. 10

Exam. Code : 210001

Subject Code : 4898

M.Sc. Botany 1<sup>st</sup> Semester (Batch 2021-23)

### PHYCOLOGY

Paper : BOT-C518

Time Allowed—3 Hours]

[Maximum Marks—50

**Note :—**Attempt **FIVE** questions in all, selecting at least **ONE** question from each section. The **fifth** question may be attempted from any section. All questions carry equal marks.

### SECTION-A

1. Discuss the range of thallus organization in chlorophyta. 10
2. Explain the different types of pigments and photosynthetic apparatus in algae. Support your answer with help of suitable examples. 10

### SECTION-B

1. Describe the sexual reproduction in oedogonium. 10
2. Explain the reproductive diversity in chlorophyta. 10

### SECTION-C

1. Describe briefly the life history of Laminaria. 10
2. Describe the reproduction in Polysiphonia. 10