Exam. Code : 210001 Subject Code: 3780

M.Sc. Botany 1st Semester

PHYCOLOGY

Paper—BOT-C518

Time Allowed—Three Hours] [Maximum Marks—50

Note: - There are FOUR sections. Each section contains TWO questions. Candidates are required to attempt FIVE questions, selecting at least ONE question from each section. The fifth question may be attempted from any section.

SECTION-A

- Discuss the following: 1.
 - (a) Algal pigments
 - (b) Flagella in Algae.

Discuss the range of thallus organization in Algae.

2.

SECTION-B

Discuss the reproductive diversity in Chlorophyta.

10

10

10

4. Describe the structure, branching pattern and method of reproduction in Cladophora. 10

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(Contd.)

SECTION—C

- 5. Give brief account of life history of Laminaria and explain the alternation of generation in this alga. 10
- 6. Discuss the post fertilization changes in Polysiphonia.

10

SECTION—D

- 7. Discuss the Rhythms and bioluminescence in Dinoflagellates.
- 8. Describe the structure, movements and reproduction in Oscillatoria.