

Exam. Code : 210001
Subject Code : 4792

M.Sc. Botany 1st Semester

PHYCOLOGY

Paper-BOT-C518

Time Allowed—3 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

1. On what characters, the classification of Algae by Fritsch is based. Give an account of classification given by him and give brief description of classes. 10
2. Describe the structure of flagella in Algae and mention their different types. 10

SECTION-B

3. Discuss the life histories in Chlorophyta. 10
4. Discuss the structure and method of reproduction in Volvox. 10

SECTION-C

5. Give a brief account of the life history of Ectocarpus and explain the alternation of generation in this alga. 10
6. Discuss the post fertilization changes in Batrachospermum. 10

SECTION-D

7. Discuss the origin and evolution of sex in algae. 10
8. Discuss the structure and methods of reproduction in Nostoc. 10