

A-045

Total Pages : 3

Roll No. -----

MBOT-502

Biology and Diversity of Algae

M.Sc. Botany (MSCBOT)

1st Semester, Examination 2024 (June)

Time: 2:00 hrs

Max. Marks: 35

Note : This paper is of Thirty five (35) marks divided into two (02) Section A and B. Attempt the questions contained in these sections according to the detailed instructions given therein. Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

Section-A (Long-Answer-Type Questions)

Note : Section 'A' contains Five (05) long-answer-type questions of Nine and Half (9.5) marks each. Learners are required to answer any Two (02) questions only.

[2x9.5=19]

P.T.O.

- Q.1. Describe in detail about the classification of Algae proposed by Fritsch.
- Q.2. Discuss in detail about the thallus organization in Algae.
- Q.3. Give a detail account of various methods of Vegetative and Asexual reproduction in Algae.
- Q.4. Write about the structure and reproduction of Nostoc.
- Q.5. Describe the structure of thallus and reproduction in Sargassum.

Section-B (Short-Answer-Type Questions)

Note : Section 'B' contains Eight (08) short-answer-type questions of Four (04) marks each. Learners are required to answer any Four (04) questions only.

[4x4=16]

- Q.1. Write about the symbiotic algae with examples.
- Q.2. Write a short note on macrandrous and nannadrous species of Oedogonium.
- Q.3. Sexual reproduction in Ulva.
- Q.4. Economic importance of Cyanophyta.
- Q.5. Write general characters of Bacillariophyta.

- Q.6. Write about palmella stage?
- Q.7. Use of Algae in Food and medicine.
- Q.8. Write a short note on Chlorella.
