

K-365

Total Pages : 3

Roll No.

MBOT-502

Biology and Diversity of Algae

M.Sc. Botany(MSCBOT)

1st Semester Examination, 2023 (Dec.)

Time : 2 Hours]

[Max. Marks : 35

Note : This paper is of Thirty Five (35) marks divided into two (02) Sections 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 (9½) marks each. Learners are required to answer any Two (02) questions only.

(2×9½=19)

1. Describe about the reproduction of Algae in detail.
2. Write the diagnostic features and cell structure of Cyanophyta.
3. Discuss the characteristic features of important classes of Algae with examples of the members.
4. Describe structure and reproduction of *Ectocarpus* with diagram.
5. Define Algae. Describe about the habitat of algae and their economic importance in industry.

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. (4×4=16)

1. Sex organs of *Chara*.
2. Economic importance of *Sphagnum*.
3. Sexual reproduction of Cyanophyta.
4. Structure of *Nostoc* thallus.

5. Symbiotic Algae.
 6. Pigment and reserve food in algae.
 7. Write in brief about 'Algal Bloom'.
 8. Role of algae in medicine.
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