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Total Pages : 3

Roll No.

MSCBOT-502

Algae and Bryophytes

M.Sc. BOTANY (MSCBOT)

1st Semester Examination, 2022 (June)

Time : 2 Hours]

Max. Marks : 80

Note : This paper is of Eighty (80) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

SECTION-A

(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Twenty (20) marks each. Learners are required to answer any Two (02) questions only.

(2×20=40)

1. Write a detailed account on thallus organization in algae.

2. Describe the distinguishing features of Cyanophyceae, Phaeophyceae, Xanthophyceae, Bacillariophyceae and Rhodophyceae.
3. Write a detailed account on economic importance of algae.
4. Discuss in detail the mode of reproduction in bryophytes.
5. Describe the life cycle of *Funaria* with the help of well labelled diagrams.

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Ten (10) marks each. Learners are required to answer any Four (04) questions only. (4×10=40)

1. Write a short note on asexual spores of algae.
2. How algae differ from fungi? Write in brief.
3. Write a short note on fossil algae.
4. Why the bryophytes are considered as "amphibians of the plant world"? Write in brief.
5. Write a short note on habit and habitat of bryophytes.

6. Draw an ultra structure of eukaryotic algal cell.
 7. Write about the structure of sporophyte in *Sphagnum*.
 8. Write in brief about the ecological importance of bryophytes.
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