

B.Sc. Semester - 1 (NEP-2020) Examination

OCT/NOV-2024

BOT: Phycology (Minor)

Time: 2:00 Hours

Marks: 50

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate marks.

- Que-1** 1) Range of thallus organization in algae. (05)
 2) Classification system of Lee. (05)

OR

- Que-1** 1) Describe classification system of Fritsch. (05)
 2) Describe method of reproduction in algae. (05)

- Que-2**
- 1) Describe Cell structure of Chlamydomonas. (05)
 - 2) Explain: Vegetative structure of Oedogonium. (05)

OR

- Que-2**
- 1) Short Note: Reproduction in Volvox. (05)
 - 2) Describe: General characteristics of Chlorophyta. (05)

- Que-3** 1) Explain: Sexual reproduction in Chara with diagram. (05)
2) Asexual reproduction in Vaucheria. (05)

OR

- Que-3** 1) Describe sexual reproduction in *Vaucheria* with diagram. (05)
2) Describe vegetative reproduction in *Chara*. (05)

- Que-4** 1) Cell structure of Ectocarpus with diagram. (05)
 2) Write general characters of Rhodophyta. (05)

OR

- Que-4** 1) Note on Role of Algae. (05)
 2) Sexual reproduction in Ectocarpus. (05)

- Que-5** 1) General character of algae. (05)
 2) Explain: Occurrence and Cell structure of Coleochaete. (05)

OR

- Que-5** 1) Describe General characters of Charophyta. (05)
 2) Life Cycle of Polysiphonia. (05)
