

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

January-2024

Phycology (Minor)

Time: 2:00 Hours

Marks: 50

Instructions:

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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Que.1 Explain: The characteristic features of the different classes of algae as proposed by F. E. Fritsch. (10)

OR

Que.1 Give an illustrated account of colonial and filamentous forms of algae.

Que.2 With the help of labelled diagrams describe the asexual reproduction in *Volvox*. (10)

OR

Que.2 Describe the process of sexual reproduction in nannandrous species of *Oedogonium*.

Que.3 Describe the structure of sexual reproductive organs of *Chara*. (10)

OR

Que.3 Discuss the asexual reproduction with labelled diagrams in *Vaucheria*.

Que.4 Write notes on: Unilocular and Pseudolocular sporangia with diagrams in *Ectocarpus*. (10)

OR

Que.4 Describe the vegetative (thallus) structure of *Polysiphonia*.

Que.5 Write notes on, (10)

(A) Flagella in algae

(B) Thallus structure in *Coleochate*

OR

Que.5 Write notes on.

(A) Vegetative reproduction in *Chara*

(B) Filament and cell structure in *Polysiphonia*
