

B.Sc. DEGREE EXAMINATION, APRIL 2020
I Year I Semester
Phycology and Algal Biotechnology

Time : 3 Hours

Max.marks :75

Section A ($10 \times 2 = 20$) Marks

Answer any **TEN** questions

1. Motile colonial form.
2. Phycobilin
3. False branching.
4. Hormogones
5. Air bladder
6. Trichomes
7. Axenic culture.
8. Inoculum
9. SCP
10. Agar
11. Cryptoblast
12. Whiplash flagella.

Section B ($5 \times 5 = 25$) Marks

Answer any **FIVE** questions

13. Write about the various pigments distributed in the different classes of algae .
14. Enumerate the characteristics features of the class Rhodophyceae.
15. Describe the thallus structure of *Sargassum*.
16. Briefly describe the various methods of isolation of algae.
17. What is diatomaceous earth what are its uses?
18. Write about SCP biomass production.
19. Give an account of the various food reserves food in the various classes of algae.

Section C ($3 \times 10 = 30$) Marks

Answer any **THREE** questions

20. Write the classification of algae according to F.E.Fritsch 1945.
21. Explain in detail the general characteristic features of the class Chlorophyceae.
22. Illustrate and describe in detail the life cycle of *Gracilaria*.
23. What are the various methods of culturing algae and its maintenance?
24. Write in detail about algal biofertilizers.

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