

**M.Sc DEGREE EXAMINATION, APRIL 2019**  
**I Year I Semester**  
**Applications of Algae**

**Time : 3 Hours**

**Max.marks :75**

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

Answer any **TEN** questions

1. Nutraceuticals
2. Alginic acid
3. Spirulina
4. Agar-Agar
5. Immobilization
6. Microalgae
7. Genetic engineering
8. Medium
9. Phycoremediation
10. Pollution
11. Heterocyst
12. Parasitic algae

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

Answer any **FIVE** questions

13. Discuss algae as Nutraceuticals.
14. Write short notes on LSF preparation.
15. Explain briefly application of Genetic engineering in algae.
16. Briefly discuss about Microalgae preparation centers in India.
17. Give an account on Phycoremediation.
18. Briefly explain biofertilisers.
19. Write briefly on rope cultivation method of macroAlgae.

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

Answer any **THREE** questions

20. Explain the uses of Algae for Human needs.
21. Write the extraction of Agar, Carrageenin, Alginic acid and its uses.
22. Explain immobilization technique in detail.
23. Discuss in detail the mass culture of Microalgae.
24. Explain in detail the role of Algae in Nanotechnology.

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