

M.Sc. DEGREE EXAMINATION, NOVEMBER 2018
I Year I Semester
Core Elective -II
APPLICATIONS OF ALGAE

Time : 3 Hours

Max.marks :75

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

Answer any **TEN** questions

1. Nutraceuticals
2. Aquaculture
3. Extraction
4. Alginic acid
5. Immobilization
6. Macroalgae
7. Spirulina
8. Harvest
9. Nanotechnology
10. Pollution
11. Biofertilizer
12. Phycoremediation

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

Answer any **FIVE** questions

13. Draw the structure and functions of Heterocyst.
14. Briefly explain the extraction process and Uses of agar-agar.
15. Give a note on applications of genetic engineering in Algae
16. Explain the composition of any one microalgal cultivation medium.
17. Write short notes on significance of using blue green algal fertilizers
18. Write briefly on National Laboratories involved in Marine algal cultivation
19. How Algae is used as indicator of pollution?

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

Answer any **THREE** questions

20. Enumerate the Uses of Algae for human being.
21. Explain Liquid seaweed fertilizers – preparation, composition and uses
22. Discuss Rope cultivation, net cultivation and raft cultivation.
23. Explain in detail Mass culture of Spirulina
24. Give a detailed account of the Therapeutic uses of algae and Role of algae in Nanotechnology.

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