

M.Sc.DEGREE EXAMINATION, APRIL 2020
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. Expand: 1. BGA 2. SLF.
2. Comment on Nostoc.
3. Write any two uses of agar agar and carrageenan.
4. Name any two scientific names of commercial agarophytes.
5. What is Nori?
6. Mention any two national laboratories who works on seaweed cultivation in India.
7. Define Photobioreactor.
8. What is flocculation?
9. Comment on parasitic algae.
10. Define Eutrophication.
11. Comment on occurrence and distribution of algae.
12. What is spray drying?

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

Answer any **FIVE** questions

13. Write about the chemical constituent of *Chlorella*.
14. Write the importance of SLF on plant growth.
15. Write in short about algal strain improvement through molecular aspects.
16. Explain briefly on mass cultivation of *Haematococcus*.
17. Give an account on Phycoremediation.
18. Write about physical and chemical parameters of the microalgae cultivation.
19. Elucidate the structure of heterocyst with suitable diagram.

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

Answer any **THREE** questions

20. Write in detail about the role of microalgae in fish farming.
21. Discuss on structure, source, extraction and uses of phycocolloids.
22. Elaborate the various types of seaweed cultivation.
23. Discuss about mass cultivation of *Spirulina*.
24. Write an essay on health and nutritional aspects of algae.

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