

M.Sc. DEGREE EXAMINATION, NOVEMBER 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. BGA
2. SCP
3. *Gelidiella*
4. *Kappaphycus*
5. CSMCRI-MARS
6. Immobilization
7. Undefined medium
8. Batch culture
9. Phycoremediation
10. Diatom indices
11. Parasitic algae
12. Chlorellin

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

Answer any **FIVE** questions

13. Write a short note on the uses of algae as human food.
14. What is LSF? Enumerate the Chemical compositions of LSF.
15. How genetic engineering being used in Algae?
16. Write short notes on spray dryer and Filter Press techniques.
17. Write the significance of Algae in the field of Nanotechnology.
18. Describe the ultra structure of Heterocyst.
19. Enumerate the uses of carrageenan.

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

Answer any **THREE** questions

20. Justify the statement "*Spirulina* is an amazing organism".
21. Give an account on the sources, extraction method and structure of alginic acid.
22. Describe the different methods used in marine macroalgal cultivation.
23. Write an essay on the mass cultivation of *Haematococcus*.
24. Describe the role of algae in environmental monitoring.

M.Sc. DEGREE EXAMINATION, NOVEMBER 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. BGA
2. SCP
3. *Gelidiella*
4. *Kappaphycus*
5. CSMCRI-MARS
6. Immobilization
7. Undefined medium
8. Batch culture
9. Phycoremediation
10. Diatom indices
11. Parasitic algae
12. Chlorellin

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

Answer any **FIVE** questions

13. Write a short note on the uses of algae as human food.
14. What is LSF? Enumerate the Chemical compositions of LSF.
15. How genetic engineering being used in Algae?
16. Write short notes on spray dryer and Filter Press techniques.
17. Write the significance of Algae in the field of Nanotechnology.
18. Describe the ultra structure of Heterocyst.
19. Enumerate the uses of carrageenan.

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

Answer any **THREE** questions

20. Justify the statement "*Spirulina* is an amazing organism".
21. Give an account on the sources, extraction method and structure of alginic acid.
22. Describe the different methods used in marine macroalgal cultivation.
23. Write an essay on the mass cultivation of *Haematococcus*.
24. Describe the role of algae in environmental monitoring.