



25019418

**QP CODE: 25019418**

**Reg No** : .....

**Name** : .....

**B.Sc DEGREE (CBCS) ) REGULAR/ IMPROVEMENT/ REAPPEARANCE / MERCY  
CHANCE EXAMINATIONS, FEBRUARY 2025**

**Fourth Semester**

B.Sc Microbiology Model III

**Core Course - MB4CRT10 - AQUATIC MICROBIOLOGY**

2017 Admission Onwards

C66536CF

Time: 3 Hours

Max. Marks : 80

**Part A**

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Comment on planktons.
2. Note on types of lakes.
3. Give an account of Mangroves.
4. What are Zooplanktons?
5. What are Macro and Microfouling?
6. Cite epifluorescent microscopy in study of aquatic microorganisms.
7. Define microbial consortia.
8. Bioactive compounds from aquatic microorganisms.
9. What are the organic and inorganic pollutants of water?
10. Comment on Blue baby syndrome.
11. Give a note on types of rapid filters.
12. Cite a note on EMB.

(10×2=20)

**Part B**

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Discuss about the aquatic environment.





14. Write about mangrooves and deep sea.
15. Write about marine microflora.
16. Write a short note on role and importance of microbial ecosystem.
17. Write a short note on antibacterial compounds from aquatic microorganisms.
18. Explain types of water pollution.
19. What are the causes and preventive measures of algal bloom?
20. Write about P-A test.
21. Discuss in detail about bacterial water borne diseases.

(6×5=30)

### Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Write in detail about water zonations based on light and temperature with suitable diagrammes.
23. Write in detail about the development, properties and advantages of biofilm.
24. What are algal blooms? Explain the causes ,effect of alagal blooms and their control measures.
25. Write an essay on water purification system for potable water.

(2×15=30)

