

CODE: **196503**  
NOVEMBER 2020

TIME: 3 Hrs  
MAX. MARKS: 50

**PART A**

Answer any **TEN** questions.

(10 x 2=20)

1. pH
2. Salt pans
3. Eutrophication
4. Zero hard water
5. Trace elements
6. Hydrology
7. Sedimentation in ponds
8. Benthos
9. Nektons
10. Ecosystem
11. Primary ponds
12. Ecozones

**PART B**

Answer any **TWO** questions.

(2 x 5=10)

13. Write short notes on dissolved oxygen profile.
14. Give a note on the importance of mangroves in estuaries.
15. Write a note on dissolved particulate organic matter.
16. Explain the significance of hardness of water.
17. Classify soil based on its structure and texture.
18. Enumerate the various physical properties of soil in relation to fertility.
19. Write a note on the classification of benthos.
20. Explain the basic classification of aquatic microorganisms.

**PART C**

Answer any **TWO** questions.

(2 x 10=20)

21. Write a detail account on freshwater ecosystem.
22. Write an account on the importance of physical characters in the aquatic medium.
23. Discuss Physico - chemical properties and their impacts on construction and maintenance of ponds.
24. Write an account on the planktons its productivity and the various factors influencing its abundance.
25. Give an account on various factors which influencing the productivity of microbes.