

Subject Title: Aquatic Biology

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Unit - I: Aquatic Biomes

1. Explain about the aquatic biomes
2. Describe the fresh water eco-system by taking lake as an example
3. Describe the wet lands
4. Describe the streams and rivers
5. Give a write up on estuaries and intertidal zones
6. Explain about oceanic pelagic zone
7. Explain about marine benthic zone
8. Explain about coral reefs

Unit - II: Fresh water Biology and Marine Biology

9. Explain about the origin and classification of lakes
10. Write about the lake morphometry.
11. Explain the physic-chemical characteristics of fresh water bodies – light, temperature, thermal stratification, dissolved solids, carbonates, bi-carbonates, phosphates and nitrates
12. Describe the turbidity, dissolved gases- Oxygen, Carbon dioxide
13. Describe the nutrient cycles - Nitrogen, Sulphur and Phosphorous
14. Describe the different stages of stream development
15. Describe the physic-chemical environment of streams, adaptation of hill stream fishes
16. Describe the salinity and density of sea water
17. Explain the continental shelf - adaptation of deep sea organisms, sea weeds

Unit - III: Management of Aquatic Resources

18. Explain about the causes of Aquatic pollution
19. Describe the Eutrophication
20. Explain about the Management and conservation
21. Write about water pollution Acts of India
22. Describe the sewage treatment and water quality assessment - BOD & COD