



বিদ্যাসাগর বিশ্ববিদ্যালয়  
**VIDYASAGAR UNIVERSITY**  
**Question Paper**

**B.Sc. Major Examinations 2022**

(Under CBCS Pattern)

**Semester - IV**

**Subject : INDUSTRIAL FISH AND FISHERIES**

**Paper : C 9-T**

**Aquatic Ecology and Environment Management**

**Full Marks : 40**

**Time : 2 Hours**

*Candidates are required to give their answers in their own words as far as practicable.*

*The figures in the margin indicate full marks.*

1. Answer any **four** of the following questions : 5×4=20
- (a) Define ecosystem. Distinguish between lotic and lentic aquatic ecosystem. 2+3=5
- (b) Draw and describe aquatic food web. 5
- (c) Give an account on management of Indian estuary. 5
- (d) What are the impact of pollution on fish health ? 5
- (e) What is Point and Non-point sources of aquatic pollution ? What are the difference between GPP and NPP ? 2+3=5
- (f) What do you mean by littoral zone ? Mention different biotic communities of ponds ecosystem. 2+3=5

P.T.O.

2. Answer any *two* of the following questions : 10×2=20
- (a) Write down the threats and management process of aquatic ecosystem. 5+5=10
- (b) What is bio-geochemical cycle ? Elucidate the process of carbon cycle with proper diagram. 2+8=10
- (c) Write notes on Environmental impact assessment. How to conserve aquatic resources ? 5+5=10
- (d) Define Mangrove. What are threats of wetland ecosystem ? Why estuarine ecosystem is most productive ecosystem than other aquatic ecosystem. 2+4+4=10
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