

2018

CBCS

3rd Semester

AQUACULTURE MANAGEMENT

PAPER—C6T

(Honours)

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

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

Illustrate the answers wherever necessary.

Aquatic Ecology, Pollution & Biodiversity

1. Answer any five questions :

5×2

(a) What is the significance of wetland ecosystem ?

(Turn Over)

- (b) Write two characteristic features of lotic ecosystem.
- (c) Distinguish between eutrophic and oligotrophic lakes.
- (d) Write names of any two marine sanctuaries of India.
- (e) Write scientific name of two fish species found in coral reef ecosystem.
- (f) What is diversity index?
- (g) What are the ecological values of mangrove ecosystem?
- (h) What is BOD? Mention its significance.

2. Answer any *four* questions :

4×5

- (a) Define α , β and γ biodiversity. Write a note on species diversity.

- (b) Describe an aquatic foodweb with examples.
- (c) Briefly discuss about treatment sewage.
- (d) Describe the prey-predator relationship with example.
- (e) State the impact of pollution on aquatic biota.
- (f) Write a note on oxbow lake with an example.

3. Answer any *one* question :

1×10

- (a) (i) Define nutrient cycle.
- (ii) Briefly describe carbon cycle.
- (iii) Add a brief note on ecological niche with example.

2+5+3

(b) Short note :

- (i) Parasitism ;
- (ii) Threats of biodiversity ;

(iii) COD ;

(iv) Characteristics of lagoon.

4×2½
