

2019

B.Sc.

3rd Semester Examination

**AQUACULTURE MANAGEMENT
(Honours)**

Paper - C 6-T

(Aquatic Ecology, Pollution and Biodiversity)

Full Marks : 40

Time : 2 Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

1. Answer any *five* questions of the following :

2×5=10

- (a) Differentiate flora and fauna. 2
- (b) Define lentic ecosystem with example. 2
- (c) What is oligotrophic lake? 2
- (d) State the significance of mangrove ecosystem. 2
- (e) What are ecological importance of COD? 2

[Turn Over]

(f) Define ecological niche. 2

(g) State the impact of introduction of exotic species. 2

(h) What is organic detritus?

2. Answer any *four* from the following : $4 \times 5 = 20$

(a) Write a brief account on coral reef ecosystem. 5

(b) Give an idea about freshwater food chain. 5

(c) Briefly explain prey-predator relationship with examples. 5

(d) Briefly describe eutrophication with their impact. 5

(e) State different components of aquatic ecosystem. 5

(f) What are causes and impact of aquatic pollution. 5

3. Answer any *one* from the following : $10 \times 1 = 10$

(a) (i) Define biodiversity.

(ii) State different types of biodiversity with examples.

(iii) Add a note on diversity indices. 2+5+3

(b) Write short note : 4×2½

(i) Sanctuaries

(ii) Wetland

(iii) Productivity

(iv) Agricultural waste.
