

2018

CBCS

3rd Semester

ZOOLOGY

PAPER—GE3T

(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 Biology

Answer all questions

Group—A

1. Answer any five questions :

5X2

- (a) What do you mean by lake? Give example of a fresh water lake.

(Turn Over)

- (b) What do you mean by Wetland? Give an example of wetland of West Bengal.
- (c) What is benthos? Give example.
- (d) Differentiate between stream and river.
- (e) Define inter-tidal zone with its importance.
- (f) Write down scientific names of two fish species available in coral reef ecosystem.
- (g) What is nitrification and denitrification?
- (h) What are the ideal values of BOD in water for fish culture?

2. Answer any four questions :

4×5

- (a) Write down significance of coral reef in marine ecosystem. 5
- (b) Note the adaptive features of hill-stream fishes. 5

- (c) Explain the physico-chemical features of a stream. 5
- (d) Write down the adaptive features of deep sea fishes. 5
- (e) Describe the different types of lakes with examples. 5
- (f) Briefly narrate types of sea-weeds and their importance. 3+2

Group—C

3. Answer any one question : 1×10
- (a) What do you mean by thermal stratification. Ellucidate it in a Lake ecosystem. Give detailed variation of dissolved O₂ concentration in winter and summer season. 1+5+2+2
- (b) (i) What is aquatic pollution?
- (ii) State the impact of industrial pollution on aquatic biota.

- (iii) Briefly describe the non-point sources of aquatic pollution.
- (iv) Add a note on eutrophication. 1+3+3+3