

BANKURA UNIVERSITY
Undergraduate End Semester -II Examination of the A.Y. 2021 - 22
ZOOLOGY

Course ID: 22614

Course Code: SH/ZOOH/203/GE-2

Course Title: Aquatic Biology

Full Marks: 25

Time: 1Hr 15 min

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

Answer all the questions.

1. Answer any five of the following:

1X5=5

- a. What is littoral zone?
- b. What is eutrophication?
- c. Define the food pulse concept?
- d. What is benthos?
- e. Name one edible sea weed (scientific name)
- f. What is Reservoir pool?
- g. Mention two adhesive organs of hill stream fishes?
- h. Give the full form of PAN?

2. Answer any two questions of the following:

5x2=10

- a. What is Eutrophication? Name the causes of marine water pollution and mention their control measures. 1+2+2=5
- b. Write short notes on any one: 5
i) Ozone hole ii) BOD
- c. Define biogeochemical cycle? Mention how phosphorous is recycled in nature with schematic diagram 1+4=5
- d. Define stream. Mention the major type of streams along their characteristic features. 1+2+2=5

3. Answer any one question of the following:

10 X 1=10

- a. List the chemical abiotic factors of fresh water ecosystem. Describe the effects of total dissolved solids and total suspended solids on the productivity of fresh water ecology? 4+4+2=10
- b. Differentiate between the following: (any two) 5+5=10
i) Eutrophic and oligotrophic lakes
ii) Spring overturn and fall overturn.
iii) Limnetic zone and profundal zone.
