

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

Course ID: 42610 **Course Code:** UGP/SC/404/SEC-2
Course Title: Aquarium Fish Keeping (Economic Zoology)
Full Marks: 40 **Time:** 2Hrs

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.

UNIT- I

1. Answer any five questions: **2x5=10**

- a. What do you mean by scavenger fish ?
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- b. Write the common and scientific name of any one aquarium fish.
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- c. Name two types of Molly fish cultured in India.
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- d. What do you mean by sexual dimorphism ?
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- e. What do you mean by ornamental fish ? Give example.
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- f. Which aquarium fish is called protandrous and why ?
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- g. Name two aquarium fishes used as larval predator.
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- h. What is *Vallisneria* ? Why it is used in aquarium ?
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UNIT-II

2. Answer any four questions: **5x4=20**

- a. Aquarium is the miniature form of an aquatic ecosystem – Describe. 5
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- b. Write the different steps of live fish transport along with suitable labelled diagram. 3+2=5

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c. Write short note on aquarium maintenance.

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d. Describe the preparation and composition of formulated fish feed.

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e. Which aquarium fish directly give birth of its offspring ? Describe its life cycle.

2+3=5

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f. Write the working procedure of aquarium filters.

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UNIT -III

3. Answer any one question:

10x1=10

a. Describe the food and feeding of aquarium fishes. Write notes on nutrients requirements for young and adult ornamental fishes.

6+4=10

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b. What do you mean by Cottage Industry? Describe the scopes of an Aquarium Fish Farm as a Cottage Industry.

4+6=10

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