

KAMARAJ COLLEGE (Autonomous)

Accredited with A+ Grade by NAAC

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

THOOTHUKUDI – 628 003

(5 Pages)

Reg. No:

Question Code No: 25000611

Course Code: 24USZ011

UG Degree - End Semester Examinations, November 2025

First Semester

B.Sc. ZOOLOGY

Ornamental Fish Farming and Management

(For those who joined in July 2024 onwards)

Time : 3Hours

Maximum : 75 Marks

PART – A (10 × 1 = 10 Marks)

Answer ALL Questions

Choose the correct answer:

1. Name the method of rearing of fish in a confined or artificial environment.
(a) Fish keeping (b) Fish farming
(c) Hand striping (d) Fish breeding
2. Which among the following has a laterally compressed body?

- (a) Gourami (b) Gold fish
(c) Koi (d) Angel fish
3. Which among the following is considered as the process of egg laying?
(a) Breeding (b) Hatching
(c) Spawning (d) Brooding
4. Identify the common name for *Carassius auratus*.
(a) Guppy (b) Gold fish
(c) Guppy (d) Neon Tetra
5. How many times the fishes are fed per day?
(a) Once (b) Twice
(c) 2-4 times (d) Frequently
6. Find the zoological name of brine shrimp.
(a) *Brachionus rubens* (b) *Daphnia carinata*
(c) *Artemia salina* (d) *Tubifex tubifex*
7. Which one of the following shapes is best for fish tank?
(a) Rectangular (b) Oval
(c) Square (d) Circular
8. Choose the disease which has the symptom of 'Saddle back' lesion.
(a) Ich (b) Velvet

(b) Enumerate the importance of live feed.

14. (a) Present the role of aerator in aquarium.

(OR)

(b) List out the symptoms of Columnaris.

15. (a) Outline the export marketing strategies for ornamental fishes.

(OR)

(b) Categorize the various quarantine methods.

PART - C (5 X 8 = 40 Marks)

Answer ALL Questions choosing either (a) or (b).

Answer should not exceed 500 words.

16. (a) Outline the features of commercially important exotic varieties of ornamental fishes.

(OR)

(b) Examine the scope and importance of ornamental fish culture.

17. (a) Portray the biology of guppy.

(OR)

(b) Analyze the steps involved in the maintenance of brood gold fish.

18. (a) Appraise steps involved in Artemia culture.

(OR)

(b) Evaluate the process involved in the preparation of artificial feed.

19. (a) Interpret the criteria for water quality management in aquarium tanks.

(OR)

(b) Examine the causative organism, symptoms and control measures for velvet disease.

20. (a) Outline the trade regulations for the export of ornamental fishes.

(OR)

(b) Analyze the procedure of packing and transporting of ornamental fishes.