

(6 pages)

Reg. No. :

Code No. : 30708 E Sub. Code : ESZO 11/
FSZO 11

B.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2025.

First Semester

Zoology

Skill Enhancement Course — ORNAMENTAL FISH
FARMING AND MANAGEMENT

(For those who joined in July 2023 onwards)

Time : Three hours Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choosing the correct answer.

1. The culture of ornamental fish is called as.
(a) Aquaculture (b) Aquariculture
(c) Both (a) and (b) (d) Living jewel
2. Which one of the following ornamental fish is exotic?
(a) Zebra fish (b) Glass fish
(c) Gourami (d) Sail Fin Molly

3. _____ is the one of the most traded and commonly seen aquarium fish.
(a) Gold fish (b) Guppy
(c) Tilapia (d) Rohu
4. _____ are ornamental fishes and they retain eggs inside the body.
(a) live bearers (b) egg layers
(c) both (a) and (b) (d) egg depositors
5. Important submerged rooted aquarium plant.
(a) *Acorus calamus*
(b) *Vallisneria spiralis*
(c) *Echinodermus paniculatus*
(d) All the above
6. Most aquarium fish are fed on industrial food which has the form of
(a) flakes (b) granules
(c) Both (a) and (b) (d) pellets
7. Requirements in an aquarium.
(a) pH (b) water
(c) temperature (d) All the above

8. Aquarium set up.
(a) proper site selection
(b) need GFCI
(c) aeration and heater
(d) All the above
9. All measures taken to stop the domestic spread of dangerous animal diseases are included in.
(a) quarantine (b) segregation
(c) Both (a) and (b) (d) stocking
10. _____ helps fish to acclimatized new environment.
(a) Conditioning (b) Quarantine
(c) Both (a) and (b) (d) Starvation

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) List out the importance of ornamental fish culture.
Or
(b) Comment on ornamental fish keeping.

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12. (a) Comment on egg scatterers and egg burriers.

Or

- (b) List out the condition requirements of live bearers.

13. (a) What is artificial propagation? Explain.

Or

- (b) Differentiate between live feed and formulated feed.

14. (a) How do you design and construct and aquarium?

Or

- (b) List out the steps involved in the maintenance of aquarium.

15. (a) Elucidate the quarantine methods.

Or

- (b) Write short note on global export potential.

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PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Write an essay on identification commercially important indigenous varieties of ornamental fishes.
Or
(b) Give an account on identification of exotic varieties of ornamental fishes.
17. (a) Comment of the biology of egg layers and its management.
Or
(b) Write a note on
(i) Breeding
(ii) Hatchery
(iii) Nursery management of live propagation
18. (a) Write a note on.
(i) Aquarium plants and their propagation.
(ii) Live feed culture.
Or
(b) Enumerate the identification of locally available live feed organisms.

19. (a) Enlist the accessories needed for construction of aquarium and their importance.

Or

- (b) Explain the detail about the diseases of fishes. Add a note on prevention, Control and treatment methods.
20. (a) Write a note on.
(i) Conditioning.
(ii) Packing.
(iii) Transport.
Or
(b) Explain the economics, trade regulation and marketing strategies followed in ornamental fish farming.