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Reg. No. : .....

Code No. : 10877 E      Sub. Code : ESZO 11/  
FSZO 11

B.Sc. (CBCS) DEGREE EXAMINATION,  
NOVEMBER 2024.

First Semester

Zoology

Skill Enhancement Course I — 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.

Choose the correct answer :

1. Choose one of an exotic variety of ornamental fish  
(a) Angle fish      (b) Catla  
(c) Rohu      (d) Eel
2. Choose the commercially available ornamental fish  
(a) Mirrghal      (b) Gourami  
(c) Salmon      (d) None of them
3. Choose an optimum temperature necessary for gold fish  
(a) 30-40°C      (b) 10-20°C  
(c) 20-24°C      (d) 40-44°C
4. Choose the function of gonopodium in Guppy fish  
(a) locomotion      (b) respiration  
(c) digestion      (d) copulation
5. Name the fish food which is available in the natural habitat  
(a) Artificial feed  
(b) Formulated feed  
(c) Live feed  
(d) Supplementary feed
6. Choose the minerals which are responsible for the bone growth  
(a) Calcium  
(b) Calcium and phosphorus  
(c) Zinc  
(d) Copper

7. Costiasis is caused by \_\_\_\_\_.
- (a) Flagellate protozoan  
(b) Plasmodium  
(c) Ciliate  
(d) Amoeba
8. The thermometer is used to measure the \_\_\_\_\_ in fish tank.
- (a) humidity (b) salt  
(c) silt (d) temperature
9. Choose the state where the main ornamental fish trade located in India
- (a) Goa (b) Maharashtra  
(c) Andhra Pradesh (d) Pondicherry
10. DGFT refers to
- (a) Directorate General of Forest  
(b) Directorate of Foreign Trade  
(c) Directorate General of Foreign Trade  
(d) Directorate of Foreign currency Trade

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Discuss the scope of ornamental fish farming.
- Or
- (b) Write short note on indigenous variety of ornamental fish.
12. (a) Define live bearers.
- Or
- (b) Write short note on egg layers in ornamental fish.
13. (a) Write the qualities of good artificial fish feed.
- Or
- (b) Discuss the importance of aquarium plants.
14. (a) Write a note on aerators.
- Or
- (b) Write a note on endoparasites and ectoparasite.

15. (a) Write a note on the importance of conditioning of fish.

Or

(b) Explain the domestic fish marketing.

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Discuss the importance of ornamental fish farming.

Or

(b) Explain the different exotic varieties of ornamented fish.

17. (a) Discuss the biology of Gold fish.

Or

(b) Discuss the nursery management of guppy fish.

18. (a) Discuss the Artemia culture.

Or

(b) Explain the steps involved in the preparation of artificial fish feed.

19. (a) Explain the materials required for the construction of aquarium.

Or

(b) Write the causative agent, symptoms of Epizootic Ulceration syndrome.

20. (a) Discuss the different types of fish marketing.

Or

(b) Discuss the trade regulations in ornamental fish industry.