

(6 pages)

Reg. No. :

Code No. : 30513 E Sub. Code : CSZO 31

B.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2022.

Third Semester

Zoology

Skill Based Core – HOME AQUARIUM

(For those who joined in July 2021 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Total hours of light be on, in-home aquarium per day is
(a) 0 to 12 hours (b) 5 to 10 hours
(c) 12 to 24 hours (d) 0 to 10 hours
2. The safest basic material used for the construction of an aquarium is
(a) Glass (b) Plexiglas
(c) Polyethylene (d) Wood

3. The temperature of a home aquarium should be
(a) 75 – 80°F (b) 35 – 48°F
(c) 15 – 25°F (d) 63 – 70°F
4. The best size for a marine aquarium is
(a) 60-gallon cube and 93-g sq.
(b) 40-g cube and 50-g sq.
(c) 60-g cube and 75-g sq.
(d) 70-g cube and 93-g sq.
5. The main purpose of aquarium is
(a) Maintaining aquatic organisms
(b) Fashion
(c) Employment
(d) None of the above
6. The goldfish (*Carassius auratus*) is a
(a) Marine fish (b) Reservoirs fish
(c) Freshwater fish (d) None of the above
7. This is an ornamental fish species
(a) Angel fish (b) Fighter fish
(c) Goldfish (d) All the above

Page 2 Code No. : 30513 E



8. What is the best plant for fish tank used in home aquarium?
- (a) Java moss (b) Water Wisteria
(c) Java Fern (d) None of the above
9. One of the longest living ornamental fish is
- (a) gold fish (b) angle fish
(c) butterfly fish (d) all the above
10. A female angelfish can lay up to how many eggs in one breeding cycle
- (a) between 100 to 1,000
(b) between 500 and 1000
(c) between 10 and 1000
(d) none of the above

PART B — (5 × 5 = 25 marks)

Answer ALL questions choosing either (a) or (b).
Each answer should not exceed 250 words.

11. (a) Write short note on the construction of home aquarium.
- Or
- (b) Discuss about water quality requirements for maintaining an aquarium.

Page 3 Code No. : 30513 E

12. (a) Describe the nutritional requirement of aquarium fishes.

Or

- (b) Write briefly about dry fish feed preparation.

13. (a) Give a short account on any three aquarium fishes with the classification.

Or

- (b) Write short note on the recycling of wastes produced by aquarium fishes.

14. (a) Write down the precautionary measure to prevent fungal and parasitic diseases of aquarium fishes.

Or

- (b) Explain about the secondary sexual characters of gold fish.

15. (a) Write in brief about anemones and lobsters in marine aquarium.

Or

- (b) Give a brief account on optimum environmental condition in aquarium.

Page 4 Code No. : 30513 E

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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) Explain about different methods of constructing marine and freshwater aquarium.

Or

- (b) Describe the role of different accessories used in aquarium tank.

17. (a) Discuss about ornamental fish production and major fish types cultured for ornamental purpose.

Or

- (b) What are the different types of nutrition required for aquarium fishes?

18. (a) Define community aquarium and the different components of community aquarium.

Or

- (b) What are the different types of breeding strategies employed by ornamental fishes?

Page 5 Code No. : 30513 E

19. (a) Explain the secondary sexual characters in marine and freshwater aquarium fishes.

Or

- (b) Detail the prevention and control of common fish disease in ornamental fishes.

20. (a) Discuss about the other ornamental organisms other than fishes in aquarium.

Or

- (b) What are the different types of ornamental plants used for aquarium and their culture methods?

Page 6 Code No. : 30513 E

