

Reg. No

Name

23P326

M. Sc. DEGREE END SEMESTER EXAMINATION : NOVEMBER 2023

SEMESTER 3 : AQUACULTURE AND FISH PROCESSING

COURSE : 21P3AQCT10 : AQUARICULTURE, AQUACULTURE ECONOMICS MANAGEMENT AND ADMINISTRATION

(For Regular - 2022 Admission and Supplementary - 2021 Admission)

Duration : Three Hours

Max. Weights: 30

PART A

Answer any 8 questions

Weight: 1

1. Name any two aquarium fishes showing parental care? (E, CO 1)
2. Cross elasticity of demand. (R, CO 7, CO 8)
3. What is the significance of Foot dip? (An, CO 6)
4. Write notes on submerged aquatic plants. (An, CO 3)
5. Explain Velvet disease in fish. (R, CO 6)
6. Explain Income elasticity of demand. (A, CO 7, CO 8)
7. What are Feed check tray? (An, CO 2)
8. What is meant by Sensitivity analysis? (An, CO 7)
9. What is aquaponics? (A, CO 2)
10. What is the significance of BOD in a culture system? (E, CO 8)
(1 x 8 = 8)

PART B

Answer any 6 questions

Weights: 2

11. Risk and uncertainties in projects. (A, CO 7, CO 8)
12. Give an account on market trends of aquarium plants. (A, CO 3, CO 8)
13. Describe the management of aquaculture ponds. (Cr, CO 8)
14. Explain the breeding of Damsels. (An, CO 1)
15. Give an account on the management of feeding strategy in an aquaculture system? (A, CO 7, CO 8)
16. Write an essay on marine ornamental fishes available in Kerala. (U, CO 1)
17. Methods for appraising markets for aquaculture products. (A, CO 7, CO 8)
18. How do you acclimatise a newly purchased fish to your aquarium tank? (A)
(2 x 6 = 12)

PART C

Answer any 2 questions

Weights: 5

19. Describe the common freshwater aquarium fishes. (R, CO 1)
20. Write an essay on construction and maintenance of aquarium. (A, CO 4, CO 5)

21. What is market analysis ? What are the criteria of good market analysis? Explain the various techniques of consumer survey. (A, CO 7, CO 8)
22. Give an account on the common diseases of aquarium fishes, their treatment and prophylactic measures. (An, CO 6)
- (5 x 2 = 10)**

OBE: Questions to Course Outcome Mapping

CO	Course Outcome Description	CL	Questions	Total Wt.
CO 1	Identification and breeding of ornamental fin fishes.	A	1, 14, 16, 19	10
CO 2	Understand the basic principles of economic theories applied to farm management, entrepreneurships and small scale industries.	U	7, 9	2
CO 3	Identification of aquarium plants and invertebrates.	A	4, 12	3
CO 4	Study of construction and maintenance of aquarium	Cr	20	5
CO 5	Setting up of aquarium tanks.	A	20	5
CO 6	Identification of common diseases in aquarium fishes and management	A	3, 5, 22	7
CO 7	Application of production economics in aquaculture	An	2, 6, 8, 11, 15, 17, 21	14
CO 8	Analyze market demand for aquaculture products by conducting consumer surveys.	U	2, 6, 10, 11, 12, 13, 15, 17, 21	18

Cognitive Level (CL): Cr - CREATE; E - EVALUATE; An - ANALYZE; A - APPLY; U - UNDERSTAND; R - REMEMBER;