Reg. No ....   Name **22P344**

M. Sc. DEGREE END SEMESTER EXAMINATION : OCTOBER 2022
SEMESTER 3 : AQUACULTURE AND FISH PROCESSING
COURSE : **21P3AQCT10 : AQUARICULTURE, AQUACULTURE ECONOMICS MANAGEMENT AND ADMINISTRATION**

(For Regular - 2021 Admission)

Duration : Three Hours   Max. Weights: 30

PART A
Answer any 8 questions   **Weight: 1**

1.	Write notes on Cleaner wrasses.	(R, CO 1)
2.	What is Biodeterioration?	(An, CO 7)
3.	What is Zoonosis?	(An, CO 6)
4.	What is equi-marginal principle?	(An)
5.	Explain Quarantine tank.	(R, CO 4)
6.	What is price elasticity of demand?	(An)
7.	Average and marginal revenue.	(An, CO 8)
8.	Comment on mechanical filter.	(U)
9.	What is ment by aquarium décor?	(R, CO 5)
10.	Name four ornamental invertebrates.	(An, CO 1)

(1 x 8 = 8)

PART B
Answer any 6 questions   **Weights: 2**

11.	Differentiate between demand curve and supply curve with suitable diagrams.	(E, CO 7, CO 8)
12.	Write an essay on the captive breeding technology developed for the indigenous ornam, ental fishes of the Western Ghats Of India.	(An, CO 1)
13.	What is colour temperature? What is its importance in a marine aquarium?	(An)
14.	Explain the culture of infusoria and bread worm.	(A, CO 1)
15.	How do you manage the water quality in culture systems?	(A, CO 8)
16.	Explain economies of scale.	(An, CO 7, CO 8)
17.	What are the precautions to be taken before planting plants in an aquarium?	(An, CO 6)
18.	What are different types of manpower and skilled labours needed in a farm?	(E, CO 7, CO 8)

(2 x 6 = 12)

PART C
Answer any 2 questions   **Weights: 5**

19. Explain the common diseases of aquarium fishes and management.   (U, CO 6)

20. What are the procedures and methods of conducting consumer surveys and   (An, CO 7, CO
     market analysis?   8)

21. Write an essay on the setting up of marine aquarium.   (U)

22. Write an account on different types of aquarium plants and their propagation
     methods.   (E, CO 3)

                                                                          (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, 10, 12, 14	6
CO 3	Identification of aquarium plants and invertebrates.	A	22	5
CO 4	Study of construction and maintenance of aquarium	Cr	5	1
CO 5	Setting up of aquarium tanks.	A	9	1
CO 6	Identification of common diseases in aquarium fishes and management	A	3, 17, 19	8
CO 7	Application of production economics in aquaculture	An	2, 11, 16, 18, 20	12
CO 8	Analyze market demand for aquaculture products by conducting consumer surveys.	U	7, 11, 15, 16, 18, 20	14

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