

Reg. No .....

Name .....

**M. Sc DEGREE END SEMESTER EXAMINATION - OCTOBER 2019****SEMESTER 3 : AQUACULTURE AND FISH PROCESSING****COURSE : 16P3AQCT10 : AQUARICULTURE, AQUACULTURE ECONOMICS MANAGEMENT AND ADMINISTRATION***(For Regular - 2018 Admission and Supplementary - 2016/2017 Admissions)*

Time : Three Hours

Max. Marks: 75

**Section A****Answer any 8 (2 marks each)**

1. What are protein skimmers?
2. Give an account on the different types of aquarium plants.
3. Explain Quarantine tank.
4. Write notes on Gold fish.
5. Give the scientific name: Fighter fish, Tiger barb, Neon tetra and Discus.
6. Write notes on the activities of RGCA.
7. What are the uses of KMnO<sub>4</sub> in Aquarium?
8. Define Law of diminishing returns?
9. Average and marginal revenue.
10. Increasing returns and constant returns.
11. What are Nursery ponds? Explain.
12. Explain Insurable and non-insurable risks in aquaculture.

(2 x 8 = 16)

**Section B****Answer any 7 (5 marks each)**

13. Give an account on market trends of aquarium plants.
14. Write notes any three *insitu* water quality monitors
15. Give an account on breeding of gold fish.
16. Briefly explain breeding of fighter fish.
17. Explain Brood stock development in Damsels.
18. What are the additives used in fish feed?
19. What is meant by least cost combination of inputs?
20. What are the Procedures and uses of consumer survey?
21. Differentiate autonomous and induced investments. Summarize the factors influencing the investment decisions of aquaculture enterprises.
22. Give an account on the water quality parameters of an hatchery.

(5 x 7 = 35)

**Section C****Answer any 2 (12 marks each)**

23. Explain different types of aquarium filters and its principle.
24. Write an essay on setting up of fresh water aquarium and its maintenance.
25. Write down the procedures for production function analysis of ornamental fish farm and illustrate the methods interpreting the economic efficiency of input use.
26. Role of Fish Consultant in Aquaculture management. Explain.

(12 x 2 = 24)