

Reg. No

Name

MSc DEGREE END SEMESTER EXAMINATION - OCTOBER 2019**SEMESTER 3 : AQUACULTURE AND FISH PROCESSING****COURSE : 16P3AQCT11 : CULTURE OF CRUSTACEANS, SEA WEEDS AND FISHERIES TECHNOLOGY***(For Regular - 2018 Admission and Supplementary 2016/2017 Admissions)*

Time : Three Hours

Max. Marks: 75

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

1. Acclimatisation of shrimp seed
2. Basic differences between cage and pen.
3. Life cycle of mud crabs
4. Give two basic differences between prawn filtration in Kerala and Bheries in West Bengal.
5. Alginophytes.
6. Small scale culture of seaweeds
7. Giant Kelp.
8. What are flagella?
9. How spores can remain in dormant form for years?
10. Safranin.
11. Dry ice
12. Aquatic chicken.

(2 x 8 = 16)**Section B****Answer any 7 (5 marks each)**

13. Organic farming
14. How far *Litopenaeus vannamei* is suitable for culture in Indian waters?
15. Criteria of good quality shrimp seeds and the methods of seed packing and transportation
16. Give a brief account of harvesting and leaning of seaweeds.
17. Growth of seaweeds and factors affecting its growth
18. Sea weed resources of India
19. Spoilage of fresh fish
20. Explain the spore cycle of bacteria with the help of diagram
21. Describe the nutritional significance of fish oil
22. Explain the quality changes during iced storage of fish

(5 x 7 = 35)

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

23. What type of culture systems do you recommend for shrimp farming in India? What are the practices to be adopted for sustainable farming?.
24. Seaweed culture in India.
25. Quality issues of sea foods and fishery byproducts.
26. Explain bacteriological assessment of fish and fishery product quality.

(12 x 2 = 24)