

Reg. No

Name

18P3637

MSc DEGREE END SEMESTER EXAMINATION - OCTOBER 2018

SEMESTER 3 : AQUACULTURE AND FISH PROCESSING

COURSE : 16P3AQCT11 : CULTURE OF CRUSTACEANS, SEA WEEDS AND FISHERIES TECHNOLOGY

(For Regular - 2017 Admission & Supplementary 2016 Admission)

Time : Three Hours

Max. Marks: 75

Section A

Answer any 8 (2 marks each)

1. What is meant by phototaxis?
2. Define Artemia cyst.
3. Life cycle of mud crabs
4. What is the purpose of geotextiles in shrimp culture ponds?
5. What is Nori
6. Common green sea weeds in India
7. Giant Kelp.
8. Good Manufacturing Practices.
9. Mesophilic microbes of processed fish products
10. In bacteria sporulation is not a method of multiplication. Why?
11. The carbohydrate found in fish
12. Explain Enzymatic spoilage.

(2 x 8 = 16)

Section B

Answer any 7 (5 marks each)

13. Importance of nursery phase in aquaculture
14. Overview of crustacean culture in the world
15. Feed management in shrimp grow out ponds
16. Growth of seaweeds and factors affecting its growth
17. Prospects of seaweed culture in India
18. Summarise the medical uses of sea weeds
19. Psychrophilic microbes
20. Explain the spore cycle of bacteria with the help of diagram
21. Discuss the proximate composition of fish and the factors affecting the proximate composition
22. Sarcoplasmic and myofibrillar proteins.

(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. Describe the psychrophilic and mesophilic bacteria of significance in sea foods.
26. What is iced storage ? What are the precautions to be taken during iced storage ? What are the changes during iced storage ?What are the iced storage shelf life of major fish and shell fish of India

(12 x 2 = 24)