

M. Sc. DEGREE END SEMESTER EXAMINATION - OCTOBER 2025**SEMESTER 3 : AQUACULTURE AND FISH PROCESSING****COURSE : 24P3AQCT11 : CULTURE OF CRUSTACEANS, SEA WEEDS AND FISHERIES TECHNOLOGY***(For Regular - 2024 Admission)*

Time : Three Hours

Max. Weights: 30

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

1. List out the non-protein nitrogen compounds in fish? (R)
 2. What are the major problems in super intensive shrimp culture? (R)
 3. Pili. (U)
 4. Explain Crab fattening. (U)
 5. Thermotolerant bacteria (U)
 6. Explain agarose and its application. (U)
 7. What are the steps involved in sea ranching? (R)
 8. What is the relevance of ice quality in fish preservation? (R)
 9. Explain Post-mortem changes in fish. (R)
 10. What is the significance of sex pheromones in seaweeds? (U)
- (1 x 8 = 8)**

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

11. Evaluate the medical uses of sea weeds. (E)
 12. Discuss about zoea II syndrome . (E)
 13. Discuss about edible green sea weeds . (E)
 14. Draw the diagram of bacterial cell, label the parts and explain it (U)
 15. Explain about the minerals and vitamins present in fish? (U)
 16. Explain about non-protein nitrogenous compound in fish? (U)
 17. Explain which are the autolytic enzymes in fish? What is their role in the degradation of fish? (U)
 18. Compare Intensive shrimp farming with other farming methods (E)
- (2 x 6 = 12)**

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

19. Discuss the status of crab culture in India. Detail the problems and prospects. (E)
 20. Discuss on the structure of fish muscles and types of fish muscle proteins. (Cr)
 21. Examine the methods of reproduction, growth and factors affecting growth in sea weeds. (An)
 22. Microbial analysis of fish and fishery products. (An)
- (5 x 2 = 10)**

OBE: Questions to Course Outcome Mapping

CO	Course Outcome Description	CL	Questions	Total Wt.
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Cognitive Level (CL): Cr - CREATE; E - EVALUATE; An - ANALYZE; A - APPLY; U - UNDERSTAND; R - REMEMBER;