Reg. No ..... Name **17P3637**

MSc DEGREE END SEMESTER EXAMINATION- OCTOBER-NOVEMBER 2017

SEMESTER 3 : AQUACULTURE AND FISH PROCESSING

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

(For Regular - 2016 admission)

Time : Three Hours Max. Marks: 75

Section A

Answer any 8 (2 marks each)

1. What is meant by 'thoombu' in prawn filtration?
2. Define Artemia cyst.
3. Basic differences between cage and pen.
4. Explain sexual dimorphism in crabs.
5. Cultivable seaweeds of India.
6. What is kombu?
7. Name any two agar yielding sea weeds and mention two uses of agar.
8. What is Heterotrophs?
9. Define stress protein.
10. What is Dipicolinic acid.
11. Explain Enzymatic spoilage.
12. Write down the non-protein nitrogen compounds in fish.

8 x 2 (16)

Section B

Answer any 7 (5 marks each)

13. Criteria of site selection of shrimp hatchery
14. Write a note on crab fattening and its advantage
15. Larval stages and larval feeding of mud crab
16. Products developed from seaweeds
17. Growth of seaweeds and factors affecting its growth
18. Application of tissue culture in sea weed culture
19. Spoilage of fresh fish
20. Decimal Reduction Time

21. How proteins are classified ? What is the approximate amount of each type of protein
22. Rancidity.

7 x 5 (35)

Section C
Answer any 2 (12 marks each)

23. Write an essay on etiology, symptoms and control of major diseases in shrimp
24. Give a detailed account of utilization of sea weeds
25. Spoilage micro-organisms of fish and fishery products
26. What are the post mortem changes in fish ? How these changes affect the quality of fish?

2 x 12 (24)