

Reg. No .....

Name .....

**18P237****MSc DEGREE END SEMESTER EXAMINATION- APRIL 2018****SEMESTER 2 : AQUACULTURE AND FISH PROCESSING****COURSE : 16P2AQCT07 ; PHYSIOLOGY AND PATHOLOGY OF FIN FISH AND SHELL FISH***(Common for Regular - 2017 Admission & Supplementary - 2016 Admission)*

Time : Three Hours

Max. Marks: 75

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

1. Urea.
2. Obligatory food.
3. Ecophysiology.
4. Effects of temperature on metabolism.
5. What are phenols ?
6. What is neuromast organ?
7. Viviparous.
8. Ligation.
9. MBV
10. Gillrot.
11. Lymphocystis.
12. Types of antibodies.

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

13. Explain molting as growth process.
14. Effect of exogenous factors on growth of fish and prawn.
15. Comment on the thermal effects on reproduction of fishes.
16. Role of temperature in disease manifestation in fishes.
17. Preservation of pituitary glands
18. Comment on true endocrine gland.
19. Zoonoses.
20. Liver lipid disease.
21. Killed vaccines.
22. Diseases caused by calcium and phosphorus

**(5 x 7 = 35)****Section C****Answer any 2 (12 marks each)**

23. Write an essay on osmoregulation in fishes.
24. Endocrine glands and their role in fishes.
25. Write on hormonal analogues used for induced breeding in fishes.

