



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION - ZOOLOGY

THIRD SEMESTER – NOVEMBER 2013

ZO 3951 - FISHERY BIOLOGY

Date : 12/11/2013
Time : 9:00 - 12:00

Dept. No.

Max. : 100 Marks

Part-A

Answer ALL the questions

(10×2=20 Marks)

1. Differentiate Chondrichthyes from Osteichthyes.
2. Comment on movements in sharks and dogfishes.
3. Mention digestive glands in fish.
4. Comment on air bladder.
5. What are Weberian ossicles.
6. Mention any four advantages of larvivorous fish.
7. Comment on poison gland in fish.
8. Comment on Pokkali culture.
9. Mention the tolerance of fish in aquatic pollution.
10. What is integrated fish farming?

Part-B

Answer any FOUR questions

(4×10=40 Marks)

11. What are the locomotory organs? Explain the role of appendages in locomotion.
12. Explain accessory respiration in *Anabas*, *Amphipnous*, *Ophicephalus* and *Saccobranchnus*.
13. Give an account on food and feeding habitats of fish.
14. Describe structure and function of electric organs.
15. Write notes on fish byproducts.
16. Describe cage culture and its advantages.

Part-C

Answer any TWO questions

(2×20=40 Marks)

17. Define migration. Discuss migration in fish.
18. Write an essay on bioluminescence.
19. What is fish disease? Explain various diseases caused by abiotic factors, pathogens and parasites.
20. Elaborate prawn culture in India.
