



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – ZOOLOGY

THIRD SEMESTER – NOVEMBER 2016

ZO 3951 - FISHERY BIOLOGY

Date: 11-11-2016
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

Part-A

Answer ALL the questions

(10×2=20 Marks)

1. All aquatic animals are fish? Justify.
2. Differentiate Chondrichthyes from Osteichthyes.
3. What are the types of caudal fins?
4. Comment on Rete mirabile.
5. What is electroplates?
6. Comment on luciferase and luciferin.
7. Differentiate scombroid toxin from ciguatera toxin.
8. List out the symptoms of infectious fishes.
9. What is Rotational culture?
10. List out any four life feed for prawn.

Part-B

Answer any FOUR questions

(4×10=40 Marks)

11. Describe the types of fish locomotion with body plane.
12. Give an account on feeding habitats of fish.
13. Describe ultrastructure and developmental stages of the electric organ.
14. Write notes on swim bladder.
15. Give an account on larvivorous fish in India.
16. Give an account on methods involved in prawn culture.

Part-C

Answer any TWO questions

(2×20=40 Marks)

17. Describe the tagging and marking methods of fish migration.
18. Describe the structure, types and mechanism of gill function.
19. What are the various diseases of fishes? Explain various diseases caused by abiotic factors, pathogens and parasites.
20. What is integrated fish forming? Describe integrated fish forming in India.
