



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – ZOOLOGY

THIRD SEMESTER – NOVEMBER 2014

ZO 3951 - FISHERY BIOLOGY

Date : 07/11/2014

Dept. No.

Max. : 100 Marks

Time : 09:00-12:00

Part-A

Answer ALL the questions:

(10×2=20 Marks)

1. Write any four characteristic features of fishes.
2. Differentiate Chondrichthyes from Osteichthyes.
3. Mention the types of locomotion.
4. Comment on Air bladder.
5. Do fish have voice ability? Justify.
6. What is bioluminescence?
7. Comment on scombroid toxin.
8. Distinguish acidosis from alkalosis.
9. List down the symptoms of infectious fish.
10. Name any four limitations of fish culture in cages.

Part-B

Answer any FOUR questions:

(4×10=40 Marks)

11. Discuss Berg's classification of fish.
12. Give an account on food and feeding habitats of fish.
13. Explain the types of fish migration and add notes on factors influencing migration.
14. Describe ultrastructure and developmental stages of the electric organ.
15. Write notes on fish byproducts.
16. Explain the impacts of pollution on prawn fishery.

Part-C

Answer any TWO questions:

(2×20=40 Marks)

17. Describe the structure, types and mechanism of gill respiration.
18. Write an essay on light producing organs and its mechanism of light production.
19. What are the various diseases of fishes? Explain various diseases caused by abiotic factors, pathogens and parasites.
20. Discuss integrated fish farming.
