

**23P412**

(Pages: 2)

Name : .....

Reg. No : .....

**FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2025**

(CBCSS-PG)

(Regular/Supplementary/Improvement)

**CC19P ZOL4 E10 - FISHERY SCIENCE - I**

(Zoology)

(2019 Admission onwards)

Time: 3 Hours

Maximum: 30 Weightage

**Part-A**

Answer any *four* questions. Each question carries 2 weightage.

1. What are the features of Carangidae?
2. What is morphological colour change?
3. What are the different methods used to calculate age of fish?
4. What are the digestive glands present in fish?
5. What is Bulbous arteriosus?
6. What is secondary lamella?
7. What is lunar tide?

(4 × 2 = 8 Weightage)

**Part-B**

Answer any *four* questions. Each question carries 3 weightage.

8. Differentiate between cycloid scale and ctenoid scale.
9. Differentiate between oviparity and ovoviviparity.
10. Explain anadromus migration.
11. Explain the physiology of excretion in fish.
12. Explain adaptive features of deep sea fishes.
13. Explain characteristics of brackish and estuarine waters.
14. Explain the classification of inland water ecosystem.

(4 × 3 = 12 Weightage)

**Part-C**

Answer any *two* questions. Each question carries 5 weightage.

15. Write an essay on fish fins.

16. Write an essay on body shape and musculature in fish.
17. Write an essay on hormones and their functions in fish.
18. Write an essay on ocean ecosystem.

**(2 × 5 = 10 Weightage)**

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