

D 12606

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Name.....

Reg. No.....

**FIRST SEMESTER (CBCSS—UG) DEGREE EXAMINATION  
NOVEMBER 2021**

Aquaculture

AQC 1B 01—BIOLOGY OF FISHES

(2021 Admissions)

Time : Two Hours

Maximum : 60 Marks

**Section A***Answer at least **eight** questions.**Each question carries 3 marks.**All questions can be attended.**Overall Ceiling 24.*

1. What is Fecundity ?
2. Define condition factor.
3. Mention the important functions of otoliths.
4. What is Natality ?
5. Mention the respiratory gases in fishes.
6. List out any two examples of catadromous fishes.
7. What is gut content analysis ?
8. What is Homing ?
9. What is lateral line system ?
10. What are antennary glands ?
11. Give an example of a fish which possess cycloid scales.
12. Give one example of an anadromous fish.

(8 × 3 = 24 marks)

**Turn over**

**Section B**

*Answer at least **five** questions.*

*Each question carries 5 marks.*

*All questions can be attended.*

*Overall Ceiling 25.*

13. Comment on sexual dimorphism in crustaceans.
14. Write down the adaptations for air breathing in fishes.
15. Write a note on the equations used for deriving growth rates.
16. Describe on endocrine organs in fishes.
17. Comment on sense organs of fishes.
18. Explain types and modifications of fish scales.
19. Write an account on age and growth in fishes.

(5 × 5 = 25 marks)

**Section C**

*Answer any **one** question.*

*The question carries 11 marks.*

20. Explain circulatory system and oxygen transport in fishes.
21. Write an essay on breeding migration in fishes and crustaceans.

(1 × 11 = 11 marks)