

**20P413**

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Name: .....

Reg. No: .....

**FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2022**

(CBCSS - PG)

(Regular/Supplementary/Improvement)

**CC19P ZO4 E10 - FISHERY SCIENCE I**

(Zoology - Elective Course)

(2019 Admission onwards)

Time: Three Hours

Maximum: 30 Weightage

I. Answer any *four* questions:

1. Salient features of family Cyprinidae with an example.
2. Fish chromatophores.
3. Functions of fish fins.
4. Oviparity.
5. Catadromous migration and its significance.
6. Gastric enzymes in fish.
7. Biological significance of coral reefs.

**(4 × 2 = 8 Weightage)**

II. Answer any *four* questions:

8. Limnological peculiarities of reservoirs.
9. Physico chemical properties of inland waters.
10. Ocean currents.
11. Coral reef ecosystem.
12. Crustacean neurosecretory system.
13. Regulation of endocrine secretion in fishes.
14. Structure of excretory organs in fishes.

**(4 × 3 = 12 Weightage)**

III. Answer any *two* questions:

15. Elucidate the characteristics, ecological significance and productivity of estuarine waters.
16. Describe the adaptive physiology of deep sea, cave fishes and hill stream fishes.
17. Explain the structure of gills, mechanism of respiration and accessory air breathing organs in fishes.
18. Describe the body shape, musculature and mechanism of propulsion in fish.

**(2 × 5 = 10 Weightage)**

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