

D 91613

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Name.....

Reg. No.....

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, DECEMBER 2015

(CUCSS)

Zoology – Fishery Biology – I

ZO 03 ET 08 – TAXONOMY, BIOLOGY, PHYSIOLOGY AND ECOLOGY

Time : Three Hours

Maximum : 36 Weightage

I. Answer all *fourteen* questions :

1. Economically important marine water fishes.
2. Blood forming organs.
3. Reproductive hormones.
4. Upwelling.
5. Estuarine productivity.
6. Ocean basins and trenches.
7. Hilt stream fishes.
8. Role and significance of tides
9. Ovoviviparity in fishes
10. Migration in fishes.
11. Excretion.
12. Coral reefs.
13. Properties of inland waters.
14. Propulsion.

(14 × 1 = 14 weightage)

II. Answer any *seven* questions :

15. General bio-ecology of fishes.
16. Crustacean neurosecretory systems.
17. Structure, function and modification of fish fins.
18. Accessory respiratory organs.
19. Feeding mechanisms in fish

Turn over

20. The biology of brackish water fishes
21. The important features of ocean productivity.
22. Osmoregulation in freshwater fishes.
23. Structure of thyroid gland.
24. Classification of inland waters.

(7 × 2 = 14 weightage)

III. Answer any *two* questions :

25. Discuss the importance of endocrine glands and their role in reproduction.
26. Give an account of biology of economically important shell fishes.
27. Discuss about the role of excretory organs in marine, brackish and fresh water fishes.
28. Describe musculature and mechanism of propulsion in the locomotion of fish.

(2 × 4 = 8 weightage)