

15P314

(Pages: 1)

Name.....

Reg. No.....

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOV. 2016

(CUCSS - PG)

(Zoology)

CC15P ZO3 E08 - Fishery Biology I : Taxonomy, Biology, Physiology & Ecology

(2015 Admission)

Time : Three Hours

Maximum : 36 Weightage

I. Answer *all* questions (Weightage-1)

1. Oviparity in fishes.
2. Chromatophores.
3. Continental slope.
4. Economically important shell fishes.
5. Ocean basins and trenches.
6. Corpuscles of Stannius.
7. Anadromous migration.
8. Epigonal organs.
9. Thermocline.
10. Functions of blood.
11. Hill stream fishes.
12. Role of nutrient cycling.
13. Sinus gland.
14. Cycloid and ctenoid scales.

(14X 1= 14 Weightage)

II. Answer *any seven* questions. (Weightage-2)

15. Ocean productivity.
16. Structure and modification of fins .
17. Biology of estuarine fishes.
18. Accessory respiratory organs.
19. Adaptations of cave dwelling fishes.
20. Structure of gill.
21. Digestion of food in fishes.
22. Structure and function of any two endocrine glands.
23. Crustacean neurosecretory system.
24. Ecological problems of coral reefs.

(7 x 2 = 14 Weightage)

III. Answer *any two* questions. (Weightage-4)

25. Discuss the classification and physico- chemical properties of inland waters.
26. Describe the mechanism of osmoregulation in marine, brackish water and fresh water fishes .
27. Write an essay on reproductive hormones in fishes and their role in reproductive behaviour.
28. Brief account on musculature and mechanism of propulsion in fishes.

(2 x 4 = 8 Weightage)
