

16P314

(Pages: 2)

Name.....

Reg. No.....

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, OCTOBER 2017

(Regular/Supplementary/Improvement)

(CUCSS - PG)

**CC15P ZO3 E08 - FISHERY BIOLOGY I : TAXONOMY, BIOLOGY,
PHYSIOLOGY & ECOLOGY**

(Zoology)

(2015 Admission Onwards)

Time : Three Hours

Maximum : 36 Weightage

I. Answer *all* questions

1. Adrenal gland in fishes.
2. Ionic balance.
3. Significance of tides.
4. Heart in fishes.
5. X organ.
6. Fish kidney.
7. Economically important brackish water fishes.
8. Urohypophysis.
9. Blood pigments in fishes.
10. Colouration in fishes.
11. Mud banks.
12. Regulation of endocrine secretion.
13. Scientific name of any four economically important fin fishes.
14. Feeding behaviour in fishes.

(14X 1= 14 Weightage)

II. Answer *any seven* questions.

15. Age and growth in fishes.
16. Accessory reproductive structures in female fish.
17. General bioecology of fishes.
18. Exoskeleton of fishes.
19. Ecological subdivisions of sea.
20. Osmoregulation in marine fishes.
21. Migration in fishes.

22. Estuarine productivity.
23. Body shape and musculature in fishes.
24. Adaptations of deep sea fishes.

(7 x 2 = 14 Weightage)

III. Answer *any two* questions.

25. Discuss the circulatory system in fishes.
26. Describe the physico - chemical properties of sea water. Add a note on ocean currents .
27. Write an essay on respiratory system and gas transport in fishes.
28. Give an account on feeding mechanism, digestion and absorption of food in fish.

(2 x 4 = 8 Weightage)
