

ACTIVITY ID: 1903233021
B.Sc. 6th Semester (Honours) Examination, October 2020
ZOOLOGY

Course ID: 62616

Course Code: SH/ZOO/603/DSE-3

Course Title: Fish & Fisheries

Full Marks: 15

Time: 1 Hr

*The figures in the right hand margin indicate full marks.
Candidates are required to give their answers in their own words as for as practical*

UNIT- I

1. Answer *any five* questions:

(1x5=5)

- a. Define Fishery.
- b. What is Bioluminescence?
- c. Name one viral disease of fishes.
- d. Name two environmental factors that influence the seasonal variations in fish catches in Bay of Bengal.
- e. What do you mean by semi-intensive culture of fish?
- f. What is Pneumatic duct?
- g. What do you mean by Transgenic fish?
- h. Give the scientific name of a fish in which electric organ is present.
- i. Write the use of one by product in fisheries.
- j. Define Osmoregulation.

UNIT- II

2. Answer *any two* questions:

- a. Differentiate between Physostomous and Phytoclistous type of swim bladder. Write a note on the role of swim bladder in respiration of fishes. (2+3=5)
- b. Define Induced breeding. Differentiate between Induced breeding and Hypophysation. Write a note on injecting procedure of pituitary extract in fishes. (1+2+2=5)
- c. Write the principles of composite fish culture. Briefly describe the advantages of this procedure. (3+2=5)
- d. What is Gill net and Cast net? How over-fishing and destruction of spawning ground of fishes causes depletion of fish resource in our country? (2+3=5)