

Total No. of Printed Pages:2

**B. Sc. (CBCS) (Semester V)**  
**EXAMINATION NOVEMBER 2022**

**Zoology**  
**Fish and Fisheries**

[Duration : 2 Hours]

[Total Marks :60]

**Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Illustrate your answers wherever necessary.

Q.1 Answer **any five** of the following:

(5x2 =10)

- a) What is ichthyology?
- b) What is a pseudobranch?
- c) What are non-mechanised fishing craft?
- d) State the external features of oil yielding fin fish of the west coast of India.
- e) What is remote sensing?
- f) Define aquaculture,
- g) What is super intensive aquaculture?

Q.2 Answer **any five** of the following:

(5x2 =10)

- a) Give the structure of gephyrocercal tail.
- b) Broadly classify fish on the basis of feeding habits.
- c) Draw a neat labelled diagram of a placoid scale.
- d) What is brackish water aquaculture?
- e) Define fisheries.
- f) What is monoculture?
- g) What is induced fish breeding?

Q.3 A. Give an account of scales in bony fishes

05

**OR**

A. Submit an account on transgenic fish.

05

B. Give a brief account on Migration in fishes.

05

- Q.4 A. Give a brief account of gill net and seine net. 05  
**OR**  
 A. Give an account of any four fishery by products. 05  
 B. Discuss in brief, parasitic diseases in fishes. 05
- Q.5 A. Discuss shell fishery with respect to crabs and Cuttle fish 05  
**OR**  
 A. Describe Pen and cage culture. 05  
 B. Write an essay on sustainable aquaculture. 05
- Q.6 A. Describe any four methods of fish preservation. 05  
**OR**  
 A. Submit an account on conservation on fishery resources. 05  
 B. Write an essay on depletion of fishery resources 05