

**CARMEL COLLEGE OF ARTS, SCIENCE & COMMERCE FOR WOMEN,
NUVEM-GOA**

B. Sc. CBCS SEMESTER V END EXAMINATION, JANUARY 2022

Subject Code: ZOD-103

Subject Name: FISH AND FISHERIES

Total marks: 60

Duration: 02 hrs.

Total No of pages: 02

*Instructions: 1. All questions are compulsory
2. Figures to the right indicate marks*

Q1. Answer any FIVE of the following. (2X5= 10)

- i. What is the Meyer's classification of freshwater fish?
- ii. Citing an example each, mention the types of scales found in fish.
- iii. What is Iteroparity?
- iv. Draw a neat labelled diagram of a teleost gill.
- v. What is Exclusive Economic Zone (EEZ)? Comment on India's EEZ.
- vi. What is Gill net?
- vii. What are the advantages of Poly- fish culture?

Q2. Answer any FIVE of the following. (2X5= 10)

1. Discuss the types of migration seen in fish.
2. What kind of fin modification are seen in goby fish?
3. Give a profile of the Indian Marine Fishery Resources.
4. Discuss Crustacean fishery of India.
5. List the advantages of Cage Culture.
6. Briefly describe any two processes of preservation of fish.
7. What are transgenic organisms?

Q3.A) Discuss the types of reproduction in fish. (5)

OR

A) Give a brief account on the types and functions of swim bladder in fish.

B) Discuss the importance of Transgenic Fish in research. (5)

Q4. A) Comment on Inland Fisheries of India. (5)

OR

A) Give a brief description of the traditional fishing crafts along the Goa Coast.

B) Discuss the concept of "Zero Water Exchange System". (5)

Q5. A) Give a concise account of bacterial diseases in fish. (5)

OR

A) What is meant by "Fish by-products"? Describe any 4 fish by-products.

B) Discuss the application of Remote Sensing (RS) and Geographic Information System (GIS) in Fisheries. (5)

Q6. A) Give a brief account of the important fin fishes of West Coast of India. (5)

OR

A) Discuss the process of Induced Breeding of fish.

B) What are the causes and risks associated with depletion of fishery resources?
Comment on Fishery regulations and conservation. (5)