

26/02/2023  
(F.N)

**GOVERNMENT OF PUDUCHERRY  
DEPARTMENT TEST IN FISHERIES  
THEORY (WITHOUT BOOKS)**

Time: 3.00 hours

Max.Marks: 200

**A. Oceanography and Marine Fisheries:**

1. You know movements of large masses of water and oceanic currents is an important feature of ocean's water. How these movements/ currents along with the mixing process influence the distribution of parameters in the India ocean?

(OR)

Write short note on any three:

35 marks

- a. Phytoplankton
- b. Zooplankton or Nekton
- c. Benthos
- d. Upwelling

2. (a). What are the various types of fishing crafts employed along the coast of India  
(b). A brief note on the following:

- i. Purse seines
- ii. Trawlers
- iii. Mechanised gill netter
- iv. Long lines

35 marks

(OR)

List out constraints, requirements and consideration for Deep Sea fishing in our EEZ.

**B. Inland Fisheries**

3. If you are a fish farmer (a) How to prepare and manage the Rearing ponds for culture of Indian Major Carps? (b) How to control the weedy plants in the ponds?

(OR)

35 marks

What are the common bacterial diseases among freshwater cultivable fishes in India and its control?

4. Give an account of Fish in relation to public health

(OR)

35 marks

Chart out Life cycle of prawn.

**C. Fisheries Technology**

5. Write short note on the following fishing areas:

- (i) Territorial waters
- (ii) Continental shelf
- (iii) Exclusive Economic Zone
- (iv) Maritime boundaries

35 marks

(OR)

What are the different types of trawler? Schematic diagram of trawler

6. What are the fishing gear accessories? Explain with diagram.

(OR)

How to process the fish liver oil?

25 marks

26/2/2023  
(A-M)

**GOVERNMENT OF PUDUCHERRY  
DEPARTMENT TEST IN FISHERIES  
PRACTICAL (WITHOUT BOOKS)**

Time: 3.00 hours

Max.Marks: 100

**A. Oceanography and Marine Fisheries:**

1. Give an account on the Fisheries of the Indian Seas.

(OR)

20 marks

Write a note on Post-harvest technology and hygienic handling of fishes.

2. Write short note on any five:

15 marks

- (a) Closed Season
- (b) Nautical mile
- (c) Fish and Fishery products of export importance
- (d) Shrimps
- (e) Destructive fishing methods
- (f) Responsible Fisheries
- (g) Pondicherry Marine Fishing Regulation Act.

**B. Inland Fisheries**

3. Explain Polyculture or Composite Fish culture.

(OR)

15 marks

Ornamental Fisheries – A brief description.

4. Give an account of cultivable species of fishes in South India with diagram.

(OR)

20 marks

Explain Integrated Fish Farming – a tool to improve economic status of the farming community.

**C. Fisheries Technology**

5. What is By-catch waste? What are the methods to reduce By-catch wastes?

(OR)

15 marks

Write a Note on Fishery by-products.

6. Write short notes on any five:

- i. Out Board Motor Engines
- ii. Fish aggregating devices
- iii. Potential fishing zones
- iv. Safety at Sea
- v. Tracking devices
- vi. Coral reefs
- vii. **Write in full form:**
  - a. FSI
  - b. HACCP
  - c. INCOIS
  - d. NFDB
  - e. CMFRI
  - f. CIBA

15 marks