



# **KHAIRA COLLEGE, KHAIRA, BALASORE**

Add-on Course

## **FISH CARE AND REARING**

### **Unit-1**

General Characteristics of Chondrichthyes, Oestichthyes, Systematic Classification of Native / Exotic fishes (up to classes), Inland Fisheries, Marine Fisheries, Ornamental fishes.

### **Unit 2**

Monoculture, Polyculture, Extensive, Semi-intensive, Intensive culture of fish, Composite fish culture, Wet bundh & Dry bundh breeding, Environmental factors influencing seasonal variation in fish.

### **Unit-3**

Hypophysation, Induced breeding of fish, Management of fin fishery, Breeding hapa, Hatching hapa, Hatching pits, Breeding tank, Ecohatchery, Spawning Tank.

### **Unit -4**

Fish by products, Fish Diseases-Bacterial, Viral & Parasites, Preservation, Diagnosis & Treatment, Transgenic fish.

### **PRACTICAL**

Study of Petromyzon, Myxine, Exocoetus, Hippocampus, Gambusia, Labeo, Scoliodon, Zebra Fish  
Project report on any fish farm / Pisciculture Unit

#### **Text books -**

- 1) Text book of fish biology & Fishery - S. S Khana & H. R Singh
- 2) Fish & Fishery - K. P

#### **Reference books -**

- 1) A -Z Fish & Fisheries - J. K. Roshan
- 2) Fish & Fisheries - Arvind N. Shukla
- 3) A handbook of fishery science - Dr. Kiran Shillewar & Dr. Dipti V. Totawar

### **Program Outcome-**

- 1) Students study about the Inland, Marine, Exotic and Ornamental fishes.
- 2) Fish farming is one of the most profitable business with small investment.
- 3) Learned the techniques of harvesting, storing, management, marketing, packaging and transport of fishes.
- 4) They are aware of fish diseases and how to control it.
- 5) Learn about the nutritional benefits of fishes.

*Sudarshan Das*  
Sudarshan Das, Reader in Zool.  
Course Co-ordinator

*[Signature]*  
Coordinator, 13.10.22  
IQAC, Khaira College

*[Signature]*  
13.10.22  
Principal  
Khaira College, Khaira, Balasore  
Khaira College, Khaira, Balasore