

SEMESTER-III (Pool-B)

Course Name: PISCICULTURE

(CHOI-B44)

Number of Credit: 02

Maximum Marks: 50

Objectives of the course:

- To impart education about modern fish culture.
- To build human resource in the fish culture sector.
- Diversification of fish culture to increase income of the farmers; and
- To develop entrepreneurial skills in youth for the fish keeping.

UNIT-I

Introduction to fish culture:

1. History, scope, importance and fisheries centres in India.
2. Qualities of cultivable fish flora.
3. Important cultivable fish flora and their general characters.
4. Types of fish culture in India.

UNIT-II

Techniques for fish harvesting

1. Conventional methods
2. Electrofishing and light methods
3. Echo sounder and sonar methods

UNIT-III

Management of marketing:

1. Harvesting and stocking
2. Preservation and processing
3. Transport and marketing

UNIT-IV

Fish pathology:

1. Inflammation
2. Immune responses and changes in tissues
3. Pathogenic diseases and control
4. Non-pathogenic diseases and control

UNIT-V

Products and Processing in Fish culture:

1. Extraction and handling of fish culture products
2. Quality control standards
3. Major uses of by-products of fishes for human welfare.

Suggested readings:

1. A Text Book of Fish Biology and Indian Fisheries: RP Parihar; Central Publication
2. An Introduction to Fishes: SS Khanna; Silverline Publication
3. General and Applied Ichthyology: Gupta and Gupta, S. Chand and Company