

ORNAMENTAL FISH CULTURE [ORFC]

General Information :

1. Name of the Trade : Ornamental Fish Culture
2. Entry Qualification : Passed Class VIII
3. Duration of Training : 06 Months [Under Vocational Short term Course]

Rationale :

The course of ornamental fish culture has become extremely-popular due to its self employment generation capacity in rural and urban sector. As such the knowledge of ornamental fish culture is very much essential.

Aims :

The subject develops the knowledge and upgrades the cultural system as per need of ornamental fish culture in West Bengal as the oarigin of ornamental fish culture is on tropical and sub-tropical region.

Course Break-up :

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| (a) Practical instruction | : | 288 hrs. |
| (b) Theoretical instruction | : | 67 hrs. |
| (c) Entrepreneurial | : | 05 hrs. |

Marks Alloted :

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| (a) Practical | : | 400 |
| (b) Theory | : | 100 |

The course content is to be covered in less than 26 weeks since some weeks will be used for enrolment procedures, leave of the instructors holidays, examination and tests, industrial visit etc.

Industrial Visit :

Industrial cum Study tour to at least two different Ornamental Fish Culture farm is essential.

Theory

- (a) Introduction, Brief description on fish and fisheries of India. Scope and prospect of Ornamental fishery in India as well as West Bengal. (4 Hrs)
- (b) Ornamental fishes of fresh water, brackish water and marine water of India. Their habits and habitats including breeding behaviors. (12 Hrs)
- (c) Common ornamental fishes in West Bengal. Availability of those species

- in different markets and mode of transportation. Their rearing and culture. (10 Hrs)
- (d) Cultural medium and optimum ranges of water parameters. (4 Hrs)
 - (e) Construction of aquarium and its accessories, and maintenance of ideal aquarium. Aquatic plants and its use in aquarium. Common feeds, live organism and dry feeds, culture of live feeds. (9 Hrs)
 - (f) Identification of sex, live bearers, egg layers and nest making fishes: Different breeding techniques of common ornamental fishes and nursery management. (10 Hrs)
 - (g) Major set back, fish mortality, disease and remedial measures. (5 Hrs)
 - (h) Commercial aspect of ornamental fish culture. Economics of ornamental fish culture, ornamental fish trade in West Bengal. Scope of Export. (5 Hrs)
 - (i) Marketing of ornamental fish, air pump, filter etc. Formation of service party, Groups, Co-operative society and scope of employment generation. (8 Hrs)

PRACTICAL

- (a) Technique of construction of aquarium of different types. (25 Hrs)
- (b) Set up and display of aquarium with accessories, (15 Hrs)
- (c) Set up and method of use of water pump, type of filter, heater, thermometer etc. (23 Hrs)
- (d) Different types of weeds plants used in the aquarium with identification.
- (e) Identification of common varieties of ornamental fishes of West Bengal with exotic varieties. (20 Hrs)
- (f) Identification of natural feed and types of feed used in the aquarium. (25 Hrs)
- (g) System of culture of live feed used in the aquarium. (25 Hrs)
- (h) Identification of common disease and remedial measure for ornamental fish culture. (25 Hrs)
- (i) Management and maintenance of domestic and commercial aquarium (25 Hrs)
- (j) Identification of (Zoo & phyto) plankton. Breeding technique of ornamental fishes. (15 Hrs)
- (k) Ornamental fish rearing procedure. (35 Hrs)
- (m) Analysis of water Viz. PH, Hardness, Soft water, CO_2 , O_2 etc. Record keeping and Accounts. (15 Hrs)
- (o) Visit of Ornamental fish farm (20 Hrs)

ENTREPRENEURIAL INSTRUCTION

Sl. No.	Course Curriculum	Hours
1.	Brief idea on nature of small-business-management and Industrial Technical skill.	
2.	Preparation of schemes and vetting to Financial Insitutions/Lead Bank for obtaining loans.	
3.	Rules for setting up of business production Unit.	
4.	Maintenance of Accounts, Labour Capital .etc.	
5.	Man Management, Communication, Motivation.	
6.	Operational Management.	
7.	Market Survey.	
8.	Quality Control.	
9.	Visit to Industrial units for gathering idea to start the unit.	
10.	Choice of technology as per demand of local people of the District / State.	
11.	Knowledge of Sales Tax etc.	
12.	Brief idea for Registration of SSI, Trade License, Project Report, Proposal for loans etc.	
		Total 05