

Semester - V Extra credit	Ornamental Fish Culture	Course code: VAZ:1
Instruction hours: 90	Credit:2	Exam hours:
Theory – 40 Marks	Practical : 60 Marks	Total marks:100

Learning Objectives:

1. To create knowledge on self employment opportunity of ornamental fishes
2. To provide the knowledge of ornamental fishes and their equipment
3. To understand the different breeding techniques of ornamental fishes

Total mark : 40

Unit-I (Theory)

Introduction and scope – ornamental fish keeping as hobby and cottage industry. Commercial aspects like national and international market. To create knowledge on self employment opportunity.

Unit-II (Theory)

External morphology of a typical fish.Exotic and endemic varieties of ornamental fishes.

Total mark: 60

Unit-III (Practical)

1. Setting up an aquarium tank
2. Water quality testing
3. Budget preparation for aquarium tank/farm setting up

Unit –IV (Practical)

1. Live fish transport
2. Ornamental fish feed preparation
3. Identification of fish disease and control measures
4. Handling of ornamental fishes

Unit-V (Practical)

1. Identification of common characters of marine ornamental fish
2. Identification of common characters of freshwater ornamental fish
3. Identification of sexual dimorphism of ornamental fishes

Reference Books:

1. Santhanam, P., Sukumaran,N and P.Natarajan. A manual of freshwater aquaculture (1987).Reprint 1999. oXford& IBH publishing company pvt. Ltd., New Delhi
2. Cliff Harrison, A colour guide to Tropical fish (1980), chartwell Books, INC, Cerkshire, printed in Hong Kong.
3. O' Connell, R.F., The freshwater aquarium (1977), Arco publishing company, INC New York.
4. Mill Dick,1993: Aquarium Fish, Daya Pun. Co., New Delhi.