

LECTURE SCHEDULE
M. F. Sc. in Aquaculture Second Semester
AQC 511: Commercial Ornamental Fish Breeding and Culture (1+1)

SL.NO.	TOPIC	No. of Classes
THEORY		
1.	Introduction: Global status of ornamental fish trade, present status and prospects of ornamental fish farming and trade in India, Indian ornamental fish diversity and its status	2
2.	Prospects of production of new strains / varieties, Ornamental fish breeding techniques towards strain development.	1
3.	Design and construction: Self-maintained aquarium, species compatibility, High value species, Aquarium maintenance and care	1
4.	Common aquarium plants and their identification	2
5.	Gadgets used in freshwater and marine aquarium, aerators, Filters (UV, trickling and biofiltration), Protein skimmers, Ozonizer, thermostatic heater, Chiller, Lighting, Water conditioners, etc	2
6.	Captive Breeding techniques: Mass production of commercially important freshwater and marine ornamental fishes,	1
7.	Nursery and grow out culture of commercially important ornamental fish species in Raceways, RAS etc.	1
8.	Hybrids development	1
9.	Feed and feeding, Colour enhancement through pigmented feed, Novel feeds	1
10.	Common diseases, and control, Water quality management	1
11.	Transportation and Trading of Ornamental Fishes: Medicines and chemicals used in the ornamental fish industry	1
12.	Anaesthetics, packing, transportation and marketing strategies.	1
13.	Culture unit for entrepreneurship development	1
14.	Socio-economic upliftment through backyard ornamental fish farming,	1
15.	Micro-traders in ornamental fish marketing.	1
Total		18
PRACTICALS		
1.	Identification of common ornamental fishes	2
2.	Identification of common aquarium plants	2
3.	Identification and demonstration of aquarium gadgets	2
4.	Breeding of commercially important ornamental fishes	3
5.	Visit to ornamental fish production and marketing units	1
6.	Aquarium fabrication	2
7.	Aquarium setting and maintenance	2
8.	Application and use of medicines and chemicals in ornamental fish culture	2
Total		16

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