

Syllabus for Certificate Course

ORNAMENTAL FISH AND MAINTENANCE

Paper No.	Title of the paper	Marks allotted
		Theory
I	Construction of aquarium	25
II	Maintenance of aquarium	25
	Total	50

ANDHRA CHRISTIAN COLLEGE : GUNTUR

DEPARTMENT OF PG ZOOLOGY

TITLE OF THE PAPER: ORNAMENTAL FISH AND MAINTENANCE

CREDITS: 02

NO OF HOURS: 30

Objectives

1. To understand the industry trends and opportunities.
2. To impart the skill of fabricating an aquarium.
3. To understand health aspects of aquarium fish.
4. To understand the nutritional requirements of fish.
5. To gain knowledge of various water parameters and their control

Course Outcomes

By the end of the course students will be able to

CO1	Achieve competence to identify the fish of ornamental importance
CO2	Plan for aquarium making as a small scale industry
CO3	Exhibit the knowledge to design and fabricate an aquarium
CO4	Develop aquarium fish keeping as a hobby and as a source of livelihood
CO5	Diagnose and treat common diseases of aquarium fishes.

UNIT –I (6 HOURS)

- 1.1. The potential scope of aquarium fish industry as a cottage industry
- 1.2. Exotic and Endemic species of Aquarium fishes

2Hours
4 Hours

UNIT –II (9 HOURS)

- 2.1. Freshwater Aquarium: Purpose, Construction, Preparation and Maintenance
Aquatic Plants and Animals and Food for Aquarium Fishes
- 2.2. Aquarium Maintenance Tips and Fish Care Guidelines- Aquarium Water Changes, Testing the

5 Hours

Internal Assessment

Name: Likitha

Class : B.G. (Zoology) : Y182401003.

Full Marks: 10

2 X 5

10
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10

Answer any five of the following MCQ type questions

1. Which one of the following ornamental fishes is exotic?

- (a) Zebra fish (b) Glass fish (c) Honey Gourami (d) Sail Fin Molly

2. Which one of the following ornamental fishes is an egg-layer?

- (a) Neon Tetra (b) Marble Molly (c) Platy (d) Swordtail

3. Which one of the following live ornamental fish feeds is a Rotifer?

- (a) Moina (b) Cypris (c) Keratella (d) Tubifex

4. 8% to 10% moisture is usually found in –

- (a) Moist feed (b) Semi-moist feed (c) Dry feed (d) Live feed

5. Which one of the following fishes is reared in heated aquarium?

- (a) Gold Fish (b) Black Skirt Tetra (c) Kissing Gourami (d) Neon Tetra

6. Drying of artificial fish feed is usually done in –

- (a) 70°C to 120°C (b) 100°C to 150°C (c) 30°C to 80°C (d) 180°C to 230°C

7. Cleaning of the canister filter-intake, using a filter brush, is usually conducted in case of -

- (a) Weekly maintenance of aquarium
- (b) Bi-weekly maintenance of aquarium
- (c) Monthly maintenance of aquarium
- (d) Periodic maintenance of aquarium

8. Which of the following statements is wrong in respect to the development of aquarium fish keeping industry -

- (a) "Systematic studies on the different aspects of feeding and reproductive biology of indigenous ornamental fish"
- (b) "Commercial farms with necessary infrastructural facilities and due support by technical experts are not necessary to be set up for mass production of these fishes"
- (c) "Culture, breeding and marketing of indigenous ornamental plants should be given due emphasis"
- (d) "Ornamental fish breeding and rearing unit should have constant supply of good source of water and electricity"

9. What is the common name of *Poecilia sphenops*?

- (a) Short-finned Molly
- (b) Sail-fin Molly
- (c) Mexican Sail-fin Molly
- (d) Gold Molly

10. The glass-plates of a home aquarium is sealed by -

- (a) Agar Glue
- (b) Polysulfide sealant
- (c) Silicon Rubber Sealant
- (d) Flour Glue