

DEPARTMENT OF ZOOLOGY
ST. GREGORIOS COLLEGE, KOTTARAKARA
CERTIFICATE COURSE IN ORNAMENTAL FISH KEEPING & BREEDING

Scheme of Examination and Syllabus

The Department of Zoology, St. Gregorios College, Kottarakkara initiated a job oriented add on course on “Ornamental Fish Keeping & Breeding” from 2013-14. The course shall extent over a period of six months. Candidates for admission to the course should be a degree student of the St. Gregorios College, Kottarakkara. A panel of experts from various relevant departments will undertake classes and practicals. Field visits are another important feature of this programme to get a thorough picture of the course in related established ornamental fish farms. There will be an examination during the completion of course and certificates shall be issued for passed candidates. The course covers mainly two papers in detail namely, ornamental fish keeping and ornamental fish breeding.

Duration of course: The course shall extend over a period of six months (40 Hours)

Admission Procedure

Candidates for admission to the course should be degree students of the St. Gregorios College, Kottarakkara. Interested students shall apply for admission at the time of notification in the prescribed form.

Examinations

There will be an examination during the completion of the course and certificates shall be issued for passed candidates

Title of Papers

1. Ornamental Fish Keeping
2. Ornamental Fish Breeding

Marks

Paper	Continuous Evaluation	Final Examination		Total
		Theory	Practical	
1	5	75	20	100
2	5	75	20	100
TOTAL				200

SYLLABUS

Paper 1

Ornamental Fish Keeping (20 Hrs)

1. Ornamental fish keeping as a hobby – Recent trends. (2 hrs)
2. Setting up of an aquarium - materials, design and construction. (3 hrs)

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| 3. Aquarium substratum, plants, trade in plants. | (3 hrs) |
| 4. Filter systems in aquariums, importance, types and selection.
Modern aquarium gadgets | (3 hrs) |
| 5. Aquarium accessories. | (2 hrs) |
| 6. Feeding of aquarium fishes – Live feed and artificial feeds. | (5 hrs) |
| 7. Practical | (2 hrs) |

Paper 2

Ornamental Fish Breeding (20 Hrs)

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| 1. Commercially important ornamental fishes – fresh, brackish and marine waters. | (2 hrs) |
| 2. Selection of fishes, water quality management and stocking | (3 hrs) |
| 3. Live bearers – breeding and rearing techniques | (3 hrs) |
| 4. Egg layers - breeding and rearing techniques | (3 hrs) |
| 5. Cichlids - breeding and rearing techniques | (3 hrs) |
| 6. Ornamental fish diseases | (2 hrs) |
| 7. Ornamental Fish trade | (2 hrs) |
| 8. Practical | (2 hrs) |

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