

**ST. JOSEPH'S COLLEGE FOR WOMEN (A), VISAKHAPATNAM**

**Four Year – B.Sc. (Hons), Semester – VIII**

**ZOOLOGY**

**SKILL ENHANCEMENT COURSE (AQUACULTURE)**

**ORNAMENTAL FISHERY**

**Practical**

**Code: Z 8555(2)**

**Time: 2hrs/week**

**Max. Marks-50**

**OBJECTIVES:** Enable the students to

- Develop skill on commercial production of ornamental fishes
- Understand the importance of aerators and their significance
- Gain knowledge in Aquarium keeping

**LEARNING OUTCOMES**

- Skill in identification of different types of aerators and their usages
- Skill in using different methods of water circulation methods in aquarium
- Skill in identification of aquarium plants, marine aquarium fishes, fresh water aquariumfishes and breeding of egg layers and live bearers.

**II. SYLLABUS**

1. Study of aerators – types and structures
2. Water circulation methods in aquarium and filtration
3. Collection and identification of aquarium plants
4. Identification of common marine aquarium fishes
5. Identification of common fresh water aquarium fishes
6. Common diseases of Aquarium fishes.
7. Breeding of egg layers
8. Breeding of live bearers
9. Evaluation of significance of aquaria for commercial and domestic use

**III. REFERENCE BOOKS**

1. "Ornamental Fish Farming: Principles, Procedures, and Practices" by P.K. Panda and A.K.Jana
2. "Handbook of Ornamental Fish" by Dr. D. D. Sharma and Dr. M. N. Bhat
3. "Ornamental Fishes and Aquatic Invertebrates: Self-Assessment Color Review" by Chris Andrews and Adrian Exell
4. "Ornamental Fishes and Aquatic Plants" by Dr. B. C. Jana
5. "Ornamental Fish Culture and Aquarium Management" by K. Gopalakrishnan and K. K. Vijayan

#### **IV. CO-CURRICULAR ACTIVITIES**

1. Visit to ornamental fish farms
2. Guest lectures by experts in the field
3. Participation in ornamental fish shows and exhibitions
4. Conducting water quality tests and monitoring parameters
5. Participating in a business plan competition for an ornamental fish farm.

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