

**B. Sc. 3<sup>rd</sup> SEMESTER**

**SKILL ENHANCEMENT COURSE (SEC)**

**ZO318S2: AQUARIUM FISH KEEPING**

**Credits 4 (Theory: 2; Practicals: 2)**

**THEORY 2 CREDITS**

**Unit I: Aquarium Fisheries Keeping**

- 1.1 Scope of aquarium fisheries in J & K, exotic and endemic species of aquarium fishes
- 1.2 Requirements for construction of home aquariums, water quality requirements
- 1.3 Common characters and sexual dimorphism of fresh water and marine water aquarium fishes such as Guppy, Molly, Sword tail, Gold fish, Angel fish, Blue morph, Anemone fish and Butterfly fish
- 1.4 Breeding habits and diseases of aquarium fishes

**Unit II: Food and Feeding and Transportation of Aquarium Fishes**

- 2.1 Nutritional requirement of aquarium fishes
- 2.2 Fish feed for aquarium fishes, preparation of dry feed
- 2.3 Live fish transport - Fish handling, packing and forwarding techniques
- 2.4 Budget for setting up an aquarium fish farm as a cottage industry

**PRACTICALS (2 CREDITS)**

1. Museum/specimen study of various ornamental fishes, classification and general characters of Guppy, Molly, Sword tail, Gold fish, Angel fish, Blue morph, Anemone fish and Butterfly fish.
2. Study of various local ornamental fishes found in Kashmir valley
3. Aquarium fabrication, setting and maintenance
4. Formulation of diet for aquarium fishes
5. Preparation of powdered and pelleted feed for ornamental fishes;
6. Identification of ornamental aquatic plants.
7. Study of bacterial, viral, fungal diseases of ornamental fishes and their control