

June : 2026

ZOOLOGY

Paper: SEC-ZOO-201

ORNAMENTAL FISH KEEPING

Time: 2 Hours

Total Mark: 45

(The figures in the right margin indicate full marks of the questions)

1. Fill in the blanks (any five): 1×5=5
 - a) _____ fishes are non-indigenous in origin.
 - b) The suitable temperature for spawning of ornamental fish is _____.
 - c) The dry and powdered form of fish feed is called _____.
 - d) _____ is an important aquatic plant suitable for an aquarium.
 - e) The pH of water during transportation of fish should range between _____.
 - f) In an aquarium, _____ is installed for removal of waste and filtration of water.

2. Write short notes on (any three): 3×3=9
 - a) Aquarium filters
 - b) Natural food of aquarium fishes
 - c) Sexual dimorphism
 - d) Live bearer fish
 - e) Exotic fish

3. Why is ornamental fish keeping a popular cottage industry. Give an account of ornamental aquatic biota of North-east India. 2+5=7

Or

What is pre-packaging conditioning of fishes? Describe the types of transport systems for ornamental fishes. $2+5=7$

4. Name two ornamental fishes that scatter their eggs and build bubble nest. How can we breed fishes under simulated conditions. $2+5=7$

Or

How is a breeding pair of fish selected? Mention the hormones and their roles in breeding of fishes. $2+5=7$

5. What is the importance of aquarium plants. Discuss how an aquarium should be maintained for optimal health of fishes. $2+6=8$

Or

Discuss the design and construction of an aquarium. 8

6. What is live fish food? Describe briefly the various live fish feed organisms. $2+7=9$

Or

Explain elaborately the process of supplementary fish feed preparation. What is the nutritional requirement of ornamental fishes. $6+3=9$
