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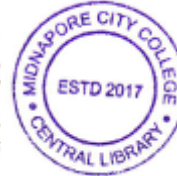
B.F.Sc./3rd Sem/25

2025

3rd Semester Examination

4-Years B.F.Sc.

Paper : BFSC-305



(Ornamental Fish Production and Management)

Full Marks : 50

Time : Two Hours

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words as far as practicable.*

Group - A

1. Answer any *ten* questions :

2×10=20

(a) Give two examples with common name and scientific names of exotic ornamental fish species.

(b) Write two principles of a balanced aquarium.

(c) What are the major ornamental fish-exporting countries in the world?

(d) Write down the importance of live plants used in an aquarium with example.

(e) Differentiate between wet and dry feeds.

(f) Mention the importance of biofilter used in aquarium.

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(g) Write the importance of anesthetics used during ornamental fish transport.

(h) State two quarantine measures for newly imported fish.

(i) Write two symptoms and treatment of fungal infection in aquarium fish.

(j) List two advantages of using glass over acrylic in aquarium fabrication.

(k) State two methods to control algal growth in aquariums.

(l) What are the advantages of using sponge filters?

(m) Mention two disadvantages of excessive lighting in aquariums.

(n) Why overfeeding is problematic in aquarium?

(o) List two common ectoparasites found in ornamental fish.

### Group - B

2. Answer any six questions :

5×6=30

(a) Discuss the global scenario of the ornamental fish trade and highlight India's position in it.

(b) Mention the causative agent symptoms and treatment of 'Dropsy' of ornamental fish.



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- (c) How to set up a home aquarium. Explain.
- (d) Describe the nitrogen cycle and its application in water quality management in aquarium condition.
- (e) Write a note on different types of filters and their utility used in aquariums.
- (f) Discuss the brood stock selection and management in ornamental fish farms.
- (g) Explain the role of biosecurity and sanitation in ornamental fish farming.
- (h) Discuss the methods and materials used for packaging of ornamental fishes during transport.
- (i) Define 'nest builder' ornamental fish with proper example. Write down the breeding procedure of any nest builder fish.
- (j) Write down the role of genetics and biotechnology for producing quality strain of ornamental fishes.