

63/1 (SEM-4) ZOO SE 4022 (SEC 2)

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ZOOLOGY

Paper : SEC-2

(Aquarium Fish Keeping)

Full Marks : 50

Time : 2 hours

*The figures in the margin indicate full marks
for the questions*

1. Choose the correct answer : 1×5=5

**(a) What will you put in the aquarium
before fish?**

(i) Objects

(ii) Plants

(iii) Rocks

(iv) All of the above

**(b) Which one of the following aquarium
fishes is egg depositor?**

(i) Gourami

(ii) Rasbora

(iii) Zebra fish

(iv) Molly

(2)

(c) Which of the following exotic ornamental fishes is cultured in India?

(i) Guppy

(ii) Molly

(iii) Blue discus

(iv) Butterflyfish

(d) *Carassius auratus* is the scientific name of

(i) goldfish

(ii) blue morph

(iii) angelfish

(iv) molly

(e) The moist feeds of aquarium fish contain moisture level of

(i) 25% to 45%

(ii) 45% to 70%

(iii) 70% to 90%

(iv) 15% to 25%

(3)

2. Answer the following questions : $2 \times 5 = 10$

(a) What do you mean by endemic species of aquarium fish? Give example of endemic aquarium fish of India.

(b) Why are ornamental fishes known as 'living jewels'?

(c) What do you mean by formulated fish feed? What is the composition of it?

(d) How do you maintain an aquarium? Why is maintenance important?

(e) Why are live food organisms called 'living capsules of nutrition'?

3. Answer any *five* of the following questions : $5 \times 5 = 25$

(a) Discuss handling and packaging of ornamental fishes for successful transportation.

(b) Elucidate briefly the potential scope of aquarium fish industry as a cottage industry.

(c) Write about the diseases of aquarium fishes and its treatments.

- (d) What are the advantages and disadvantages of exotic aquarium fishes? Discuss.
- (e) What is marine water aquarium? Give some examples of marine aquarium fishes. Describe any one of them.
- (f) What is aquarium filter? Mention its type and explain its functions.
- (g) Write about the benefit of aquatic plants in fish aquarium.

4. Answer any *one* of the following questions : 10

- (a) What is fish nutrition? Explain about aquarium fish feed and feeding.
- (b) Discuss in detail every step of budget for setting up an aquarium fish farm as a cottage industry.

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