

CARMEL COLLEGE OF ARTS, SCIENCE AND COMMERCE FOR WOMEN
NUVEM-GOA

SEMESTER END EXAMINATION – NOVEMBER/ DECEMBER 2022

SEMETER: III B.SC SUBJECT: ZOS 101-AQUARIUM FISH KEEPING

Total Marks: 60 Date: 28.11.2022 Duration: 02 hrs Total No. of Pages: 02

Instructions:

- 1) *All questions are compulsory*
- 2) *Figures to the right indicate full marks*
- 3) *Draw neat labeled diagrams wherever necessary*

Q.I) Answer ANY FIVE of the following questions. (10)

1. Explain sexual dimorphism in Molly.
2. Why is the anemone fish called so?
3. Give scientific names of
 - a. Sword tail
 - b. Goldfish
4. Give an advantage and a disadvantage of using Tubifex as fish food.
5. Comment on the temperature of water during transportation process.
6. Why are sedatives used during transportation?
7. Name any four Indigenous ornamental plants of Western Ghats.

Q.II) Answer ANY FIVE of the following questions. (10)

1. Give the cause and two symptoms of Fin rot.
2. Write causes and symptoms of Swim Bladder Disease in Aquarium fishes.
3. What are the types of Commercial fish feeds?
4. What are the qualities of good fish feed?
5. List the advantages of an Acrylic Aquarium.
6. State the use of Diatomaceous earth in Aquarium industry.
7. Write two characteristic features of Artemia.

Q.III

A) Discuss the common characters and sexual dimorphism in Guppy. (5)

OR

A) Briefly discuss biology and aquarium care for Angelfish. (5)

B) Write a note on the scope of Aquarium industry as a cottage industry. (5)

Q.IV

A) Discuss the causes, symptoms and preventive measures of Dropsy in Aquarium fishes. (5)

OR

A) Differentiate between gill flukes and body flukes. Add a note on damage caused by them in host species of fishes. (5)

B) Discuss the advantages and disadvantages of the two fish packing systems for transportation. (5)

Q.V

A) Discuss various criteria and advantages for selecting Live organisms as food for Aquarium fishes. (5)

OR

A) Discuss the components of Complete fish diets. (5)

B) Write a note on the significance of Biological Aquarium Filtration. (5)

Q.VI

A) What are the benefits of aquarium plants. (5)

OR

A) Discuss the types of aquatic plants. (5)

B) Write Characteristics features any two commonly used live Aquarium plants. (5)
