

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

SEMESTER END EXAMINATION, JANUARY 2022

Semester: III

Course name & Code: Aquarium Fish Keeping

Total marks: 60

Date:

Duration:

Total No of pages: 02

Instructions: 1. All questions are compulsory

2. Figures to the right indicate marks

3. Draw neat labelled diagrams wherever necessary

Q 1. Answer any FIVE of the following:

(2x5 = 10 marks)

1. Comment on the biology of *Amphiprion*.
2. Give the scientific name of Common Molly and one characteristic feature of the family.
3. What are the common morphological characteristics of Blue Morphs?
4. State the advantages of Close system of fish transportation.
5. What are the advantages of Formulated Fish Feed?
6. Give two reasons why Acrylic aquariums are better than Glass Aquariums.
7. Differentiate between Gill and Body flukes.

Q II. Answer any FIVE of the following:

(2x5 = 10 marks)

1. What are the requirements for setting up a Cottage Industry?
2. What are the characteristic morphological features of Goldfish?
3. Give the criteria for selection of live feed organisms.
4. State the disadvantages of Open system of fish transportation.
5. Give any two causes of Swim Bladder Disorder.
6. What are Diatomaceous earth filters?
7. Name four freshwater Aquarium Plants found in India.

Q III. A. Give the taxonomic status of Guppies and comment on the sexual dimorphism and reproduction.

(5 marks)

OR

A. List the taxonomic characters of Chaetodontidae and provide a note on its reproductive behaviour. (5 marks)

B. Discuss any two Exotic Aquarium Fishes. (5 marks)

Q. IV. A. Discuss the causes, symptoms and prevention of Dropsy in aquarium fishes. (5 marks)

OR

A. What is Ich? Discuss the life cycle and treatment of Ich. (5 marks)

B. Elaborate on the significance of 'Conditioning of Fish' before transportation. (5 marks)

Q. V. A. Write a note on preparation of Formulated Fish Feed. (5 marks)

OR

A. Write a note on composition of Formulated Fish Feed. (5 marks)

B. Write an elaborate note on the 'Essential Equipment' required to set up an Aquarium. (5 marks)

Q. VI. A. Describe any two marine Aquarium Plants and add a note on their maintenance and care. (5 marks)

OR

A. Describe any two freshwater Aquarium Plants and add a note on their maintenance and care. (5 marks)

B. State the advantages of Aquarium Plants. Add a note on classification of aquarium plants based on their placement in the aquarium. (5 marks)