

QP CODE: 24900269



Reg No:.....

Name:.....

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

FIRST SEMESTER MGU-UGP (HONOURS)

REGULAR EXAMINATION NOVEMBER 2024

First Semester

Multi-Disciplinary Course - MG1MDCZGY100

ORNAMENTAL FISH FARMING AND AQUARIUM KEEPING

(2024 ADMISSION ONWARDS)

Duration: 1 Hours

Maximum Marks: 35

**Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Interest (I),
Appreciation (Ap), and Skill (S)**

*Students should attempt atleast one question from each course outcome to enhance their overall
outcome attainability.*

[Learning Domain][CO No(s)]

Part A

Fill In the Blanks

Answer **All** questions

Each question carries **1** mark

- 1 are reddish worms found in drainage canals, where there is a gentle flow of water. [K] [1]
- 2 are the free swimming minute organisms in marine water known as wheel animacules. [K] [1]
- 3 In Biological filters living organisms like ----- are used [K] [4]
- 4 The scientific name of Guppy fish is ----- [K] [3]
- 5 To prevent the contamination during transport, are used to ensure the water free from pathogens. [K] [2]

(5 × 1 = 5)

Part B
Short Questions
Answer **5** questions
Each question carries **2** marks

- | | | | |
|----|---|------|-----|
| 6 | Write an account on infusoria preparation as fish feed. | [K] | [1] |
| 7 | List down commonly used raw materials for making artificial feeds | [K] | [1] |
| 8 | List the essential equipments in a quarantine tank. | [K] | [2] |
| 9 | What is the use of insulating box during transportation of fishes? | [K] | [2] |
| 10 | Categorise the diseases caused by microbes in aquarium fishes based on the nature of the microbes and give examples of disease under each category. | [An] | [3] |
| 11 | Explain the treatment measures of any one viral disease in aquarium fishes. | [U] | [3] |
| 12 | Write any two uses of filters in aquarium | [U] | [4] |

(5 × 2 = 10)

Part C
Short Essays
Answer **5** questions
Each question carries **4** marks

- | | | | |
|----|---|------|-----|
| 13 | Compare the culture methods of Artemia, Tubifex worms and Chironomid larvae as live feed. | [An] | [1] |
| 14 | Describe the role of vitamins and minerals in fish feed formulation, explaining their functions and deficiency. | [U] | [1] |
| 15 | Explain the importance of anaesthesia during the transportation of ornamental fishes. | [K] | [2] |
| 16 | What is Quarantine of Fishes? Explain the importance of quarantine. | [A] | [2] |
| 17 | Explain the breeding technique of goldfish. | [A] | [3] |
| 18 | Illustrate the role of the nitrogen cycle in an aquarium. | [A] | [4] |
| 19 | Analyze the importance of filtration systems in maintaining a healthy aquarium environment. | [A] | [4] |

(5 × 4 = 20)

END OF THE QUESTION PAPER
