

MAHATMA GANDHI UNIVERSITY, KOTTAYAM
MGU-UGP (HONOURS)
FIRST SEMESTER PRACTICAL EXAMINATION
(2024 ADMISION ONWARDS)
MG1DSCAQC100- INTRODUCTION TO AQUACULTURE SYSTEMS AND
RESOURCES

Duration: 2 hrs

Maximum Marks: 35

I .Identification of Spotters

Identify and comment on the Culture/ Commercial/ Ecological importance of the following

- | | |
|---|-----------------------------|
| a. Finfish | (Any two) 1.5 x 2= 3 Marks |
| b. Crustacean | (Any Two) 1.5 x 2= 3 Marks |
| 3. Mollusc | (Any Two) 1.5 x 2= 3 Marks |
| 4. Seaweed/ Sea Urchin/Sea Cucumber | (Any Two) 1.5 x 2= 3 Marks |
| 5. Predatory/Weed Fish or Aquatic Weeds | (Any Two) 1.5 x 2= 3 Marks |

5 x 3 = 15 Marks

II. Principle and Procedure

Write the Principle and Procedure of any two of the following

(Recirculating Aquaculture Systems/ Biofloc Systems/ IMTA/ Aquaponics / Raft culture / Rack Culture/ Long line Culture/ Raceway culture / Cage culture / Pen culture / Integrated Fish Farming / Sluice Gate/ Bunds/ Polyculture etc.)

2 x 6 = 12 Marks

III. Viva

3 Marks

IV. Lab Report

5 Marks

Total – 35 Marks

MAHATMA GANDHI UNIVERSITY, KOTTAYAM
MGU-UGP (HONOURS)
FIRST SEMESTER PRACTICAL EXAMINATION
(2024 ADMISION ONWARDS)
MG1MDCAQC100- GENERAL PERSPECTIVES IN AQUACULTURE

Duration: 2 hrs

Maximum Marks: 35

I .Identification of Spotters

Identify and comment on the Culture/ Commercial/ Ecological importance / use/ of the following

- | | |
|---|-----------------------------|
| a. Finfish | (Any two) 1.5 x 2= 3 Marks |
| b. Crustacean | (Any Two) 1.5 x 2= 3 Marks |
| 3. Mollusc | (Any Two) 1.5 x 2= 3 Marks |
| 4. Seaweeds | (Any Two) 1.5 x 2= 3 Marks |
| 5. Aquarium Equipments/Materials /Accessories | (Any Two) 1.5 x 2= 3 Marks |

5 x 3 = 15 Marks

II. Principle and Procedure

a. Determine by Titration any one of the following (Alkalinity/ Salinity/ Hardness / Dissolved Oxygen / Biological Oxygen Demand / Dissolved Carbondioxide)

Principle – 2 Marks

Procedure – 4 Marks

Calculation – 2 marks

Total – 8 Marks

b. Determine any one of the following of the water (pH / Turbidity/ Nitrite / Phosphate / Ammonia)

Procedure – 3 Marks

Result – 1 Mark

Total – 4 Marks

Total (8+4) = 12 Marks

III. Viva

3 Marks

IV. Lab Report

5 Marks

Total – 35 Marks