



**UNIVERSITY EXAMINATIONS**  
**FIRST YEAR EXAMINATION FOR THE AWARD OF THE**  
**DIPLOMA IN FISHERIES AND AQUACULTURE**  
**SECOND SEMESTER 2023/2024**  
**[JAN - APRIL, 2024]**

**FIAQ 0112: AQUACULTURE**

**STREAM: Y1 S2**

**TIME: 2 HOURS**

**DAY: WEDNESDAY, 9:00 - 11:00 A.M.**

**DATE: 17/04/2024**

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**INSTRUCTIONS**

- 1. Do not write anything on this question paper.***
- 2. Answer question ONE in section A (Compulsory) and any other TWO questions from section B.***

**SECTION A (40MKS)**

1. What is Aquaculture (2 marks)
2. Define the following terms as they relate to aquaculture?
  - i. Sorting (2 marks)
  - ii. Liming (2 marks)
  - iii. Pond fertilisation (2 marks)
  - iv. Artificial propagation (2 marks)
  - v. Food Conversion Rate (2 marks)
3. List the three main reasons why liming of ponds is done (3 Marks)
4. Briefly explain the three levels of aquaculture (3 marks )
5. Outline 4 reasons why aquaculture is important (4 marks)
6. Differentiate between raceways and cage modes of aquaculture (4 marks)
7. Outline two legal provisions in the Kenyan law that regulate the management of commercial aquaculture waste (4marks)
8. When identifying a suitable place to construct a fish pond which three main conditions should a potential fish farmer consider (3 marks)
9. The Kenyan government prohibits the introduction of exotic species into its natural ecosystem

- i. Outline four legal provisions made regarding the restriction (4marks)
- ii. Briefly explain three implications emanating from the introduction of said species (3 marks)

**SECTION B (30MKS)**

1. Describe the history of aquaculture in Kenya (15 marks)
2. Discuss the criteria used in the selection of fish species for culture (15 marks)
3. Outline the challenges facing aquaculture in Kenya (15 marks)