



KISII UNIVERSITY

UNIVERSITY EXAMINATIONS

FIRST YEAR EXAMINATION FOR THE AWARD OF THE DIPLOMA IN FISHERIES AND AQUACULTURE

SECOND SEMESTER 2023/2024

[JAN - APRIL, 2024]

FIAQ 0114: FISH DISEASES

STREAM: Y1 S2

TIME: 2 HOURS

DAY: MONDAY, 9:00 - 11:00 A.M.

DATE: 22/04/2024

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 are protozoa? (2 marks)
2. Differentiate between viral infections and bacteriological infections (4 marks)
3. List five types of fish diseases (5 marks)
4. Describe briefly how a fish farmer can determine if fish are sick (4 marks)
5. List four signs that indicate that your fish have a nematode infestation (4 marks)
6. Briefly explain how to treat fish with a leech infestation (3 marks)
7. Differentiate between leeches and trematodes (2 marks)
8. What are the effects of pathogen parasites on fish behaviour (4 marks)
9. Define a pristine environment (2 marks)
10. List four causes of environmental fish diseases (4marks)
11. Outline four symptoms of fungal diseases (4 mark)
12. What is a disease? (2 marks)

SECTION B (30MKS)

1. Imagine you are a fish farmer whose pond has an Ich outbreak, how would you manage the outbreak in your farm (15 marks)
2. With the help of a diagram describe the life history of leeches (15 marks)
3. Outline the challenges facing global management of fish parasite and disease (15 marks)