



KISII UNIVERSITY
UNIVERSITY EXAMINATIONS
FIRST YEAR EXAMINATION FOR THE AWARD OF THE
CERTIFICATE ANIMAL HEALTH/ANIMAL SCIENCE
FIRST SEMESTER 2022/2023
(SEPTEMBER - DECEMBER, 2022)

ANSC 00365: AQUACULTURE

STREAM: Y1 S1

TIME: 2 HOURS

DAY: THURSDAY, 9:00 A.M – 11:00 A.M

DATE: 08/12/2022

INSTRUCTIONS:

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

SECTION A (40MKS)

QUESTION ONE

- Briefly define the term “aquaculture” (3marks)
- State 7 examples of crops (fish) that can be produced from aquatic media (7marks)

QUESTION TWO

- Discuss the nutritive value of fish (4marks)
- State at least six by products of fish (6marks)

QUESTION THREE

- What are the three reasons of fish aquaculture as a source of protein (3marks)
- State seven sources of natural feed for fish (7marks)

QUESTION FOUR

- State three advantages and 2 disadvantages of cage culture system of fish farming. (5marks)
- What are the clinical signs of essential fatty acids deficiency in fish (5marks)

SECTION B (30 MARKS)

QUESTION FIVE

- a) Briefly discuss five nutrients required in fish diet (15marks)

QUESTION SIX

- a) What are the factors a farmer should consider when he/she want to start Artificial fish production (12marks)
- b) State 3 factors that have endangered human health in aquaculture (3marks)

QUESTION SEVEN

Supplementary feeds for fish normally come in two forms . Name and briefly discuss them including their moisture content percentage. (10marks)

QUESTION EIGHT

Briefly discuss hormonal sex reversal in fish production (5marks)