



UNIVERSITY OF ESWATINI

1st SEM. 2018/2019

FINAL EXAMINATION PAPER

PROGRAMME: B.Sc. AGRICULTURAL EDUCATION YEAR 4
B.Sc. ANIMAL SCIENCE YEAR 4
B.Sc. AGRICULTURAL & BIOSYSTEMS ENGINEERING
YEAR 4

COURSE CODE: ASC 403

TITLE OF PAPER: FISH FARMING

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR QUESTIONS

DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN GRANTED BY
THE CHIEF INVIGILATOR

QUESTION 1

Pick any fish species and detail its breeding sequence. Your answer should include the life cycle, natural feeding habits and breeding characteristics. **(25 Marks)**

QUESTION 2

Fully discuss the important factors considered in the construction of an ideal fish culture pond. **(25 Marks)**

QUESTION 3

Briefly discuss the following terms, detailing their significance in fish farming:

- a) pH **(10 Marks)**
- b) Salinity **(10 Marks)**
- c) Temperature **(5 Marks)**

QUESTION 4

Write an essay on non-infectious and parasitic diseases of fish and the treatment methods used. **(25 Marks)**

QUESTION 5

- a) List the five (5) physical attributes of a good feed? **(10 Marks)**
- b) Briefly discuss five (5) scenarios when it's not ideal to feed fish. **(15 Marks)**