

KISII UNIVERSITY

UNIVERSITY OF EXAMINATIONS

**2ND YEAR EXAMINATION FOR THE AWARD OF CERTIFICATE IN ANIMAL
HEALTH**

JANUARY –APRIL 2024

UNIT : APICULTURE AND AQUACULTURE

UNIT CODE: ANHE 00365 STREAM Y2S2

COURSE: CERTIFICATE IN ANIMAL HEALTH

INSTRUCTIONS

Do not write anything on this question paper

Answer all questions in section A and any TWO questions in section B

SECTION A 40MARKS

QUESTION ONE

- a) State 7 (seven) factors which affects honey bees behavior 7mks
- b) Anatomy of honey bee is divided into 3 segments name them: 3mks

QUESTION TWO

- a) Discuss the seven reasons for honey bee farming in Kenya 7mks
- b) State 3 major races of *Apis mellifera* and in each case give one example 3mks

QUESTION THREE

- a) Briefly discuss stone brood disease of honey bee based on the following 10mks
 - i) Causative agent
 - ii) Symptoms
 - iii) Control

QUESTION FOUR

- a) State 3 levels of aquaculture production 3mks
- b) State the disadvantages of intensive system of aquaculture production 4mks

SECTION B 30MKS

QUESTION FIVE

Discuss five nutrients required in a fish feed 15mks

QUESTION SIX

- a) State 7 natural types of fish feeds 7mks
- b) State 8 by-products of fish 8mks

QUESTION SEVEN

- a) Briefly state at least 10 constraints facing bee farming in Kenya 13mks
- b) Define the term “ Apiculture” 2mks
- c) State 3 castes in honey bee colony 3mks

QUESTION EIGHT

- a) State 3 methods used in the production of all-male fingerlings in fish farming 3mks
- b) Discuss the process of hormonal sex reversal 12mks