



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 00363: APICULTURE AND SERICULTURE

STREAM: Y1 S1

TIME: 2 HOURS

DAY: TUESDAY, 3:00 P.M – 5:00 P.M

DATE: 06/12/2022

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 (40MARKS)

QUESTION ONE

- Define the term apiculture (3marks)
- Honey bees have a combination of several characteristics which make them important and efficient pollinating agents among insects in modern agricultural functions. State these characteristics (7marks)

QUESTION TWO

Briefly explain the ten activities of honey bees (10marks)

Question three

- State four types of hives being used in Kenya for honey bee production (4marks)
- State five hive products (5marks)
- Give the reason for wag-tail dance by honey bee (1mark)

QUESTION FOUR

- Define the term sericulture (3marks)
- State seven importance of sericulture in agriculture (7marks)

SECTION B 30MARKS

QUESTION FIVE

- a) Define the term apiary (3marks)
- b) What are the factors to consider when sitting the apiary for honey bee production?(12marks)

QUESTION SIX

- a) Briefly discuss the three types of silkworms commercially known(6marks)
- b) State nine silkworms rearing equipments (9marks)

QUESTION SEVEN

Discuss grasserie disease of silkworms based on the following ;

- a) Causes
- b) Symptoms
- c) Control

QUESTION EIGHT

- a) State seven bee keeping equipments (7marks)
- b) State at least 8 uses of bee wax (8marks)