



UNIVERSITY OF SWAZILAND

2nd SEM 2013/2014

FINAL EXAMINATION PAPER

PROGRAMME: B.Sc. AG.ED YEAR IV, B.Sc. E.E. YEAR IV, B.Sc. AN.SCI YEAR IV & B.Sc. ABE YEAR IV

COURSE CODE: AS 401

TITLE OF PAPER: APICULTURE

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

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

QUESTION 1

- a) In Swaziland, all apiaries should be registered at the Ministry of Agriculture. Why this demand? (8 Marks)
- b) Describe the mating process of the virgin queen. (14 Marks)
- c) What is the main honey bee species mostly farmed in Swaziland? (3 Marks)

QUESTION 2

- a) Explain the meaning of tremble dance performed by honey bees in the hive. (12.5 Marks)
- b) Theft and vandalism is the major threat for apiculture industry in Swaziland. Suggest methods to control theft and vandalism. (12.5 Marks)

QUESTION 3

- a) Describe disturbance related absconding of honey bees. (10 Marks)
- b) Describe the process of manufacturing of honey from nectar. (15 Marks)

QUESTION 4

- a) Briefly explain the honey bees feeding stations. (10 Marks)
- b) Briefly discuss the impacts and the methods used to control banded bee pirate. (15 Marks)

QUESTION 5

- a) List tools and equipments needed to open a hive with honey bees. (9 Marks)
- b) Discuss apitherapy. (16 Marks)