

2nd SEM 2009/2010



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**UNIVERSITY OF SWAZILAND
FINAL EXAMINATION PAPER**

PROGRAMME: B.SC AG.ED YEAR IV, B.SC LWM YEAR IV & B.SC AN.SCI
YEAR IV

COURSE CODE: APH 401

TITLE OF PAPER: APICULTURE

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER FOUR (4) QUESTIONS

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

QUESTION 1

Biology and behavior of honeybees.

- A) Describe the mating process of virgin queen. (15.0 points)
- B) List the field activities of worker bees. (2X5=10.0 points)

QUESTION 2

Site selection and factors to be considered.

- A) List and describe the apiary site requirements. (3X7=21.0 points)
- B) Write short notes on hive spacing and arrangement. (4.0 points)

QUESTION 3

Hive body assembly and treatment. Write short notes on:

- A) Wood preservation (10.0 points)
- B) Painting (15.0 points)

QUESTION 4

Diseases and pest of honeybees. Write a short note on the following diseases:

- A) Varroa mite (12.5 points)
- B) Viruses (12.5 points)

QUESTION 5

Hive products and marketing.

- A) Write a short note on honeybees products and it's value. (25.0 points)