

2nd SEM 2009/2010



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**UNIVERSITY OF SWAZILAND
SUPPLEMENTARY 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

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CHIEF INVIGILATOR**

QUESTION 1

Honeybees are able to direct other bees to food sources.

- A) Write a short note about how the honeybees communicate themselves. (20.0 points)
- B) Bees have memories. Give some evidence on bee's memory. (5.0 points)

QUESTION 2

Theft of honey and vandalism of hives usually go hand-in-hand, and are amongst the commercial beekeeper's greatest problems.

- A) Describe methods that can be used to secure hives. (6X3=18.0points)
- B) Mention the traditional hives that you know. (7.0 points)

QUESTION 3

Hive components.

- A) List the hive components that you know. (12.5 points)
- B) Describe the queen excluder devise. (12.5 points)

QUESTION 4

Beekeeping management. Write a short note on:

- A) Causes of absconding (12.5 points)
- B) Bee swam (12.5 points)

QUESTION 5

Re-queening.

- A) Explain the queen rearing process. (25.0 points)