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UNIVERSITY OF SWAZILAND

2nd SEM 2012/2013

FINAL EXAMINATION PAPER

PROGRAMME: B.Sc. AG.ED YEAR IV, BSC E.E. YEAR IV, B.SC AN.SCI YEAR IV & BSC 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) Briefly discuss household consumption and industrial use of honey. (8 marks)
- b) Describe a drone honey bee and its function. (7 marks)
- c) Describe the orientation flights of honey bees. (10 marks)

QUESTION 2

- a) Describe robbing process on hives. (10 marks)
- b) Describe the honey bee memory. (10 marks)
- c) Define comb. (5 marks)

QUESTION 3

- a) List the apiary site requirements. (14 marks)
- b) What is the importance of bee brush? (5 marks)
- c) Briefly explain queen excluder. (6 marks)

QUESTION 4

- a) Discuss banded bee pirate impact on honey bees. (8 marks)
- b) Briefly explain how to control banded bee pirate. (12 marks)
- c) Explain the treatment of honey bees infected by *Nosema*. (5 marks)

QUESTION 5

- a) List the equipment needed to process honey by small-scale producers. (12 marks)
- b) Discuss apitherapy. (13 marks)