



2nd SEM.2007/2008

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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 ANY FOUR (4) QUESTIONS

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THE CHIEF INVIGILATOR**

QUESTION 1

The basic life cycle of honeybees remains largely consistent throughout the genus *Apis*, although slight differences may occur between species/races. Understanding the lifecycle of honey bees, has, among others, given man the ability to domesticate and exploit them to his advantage. Discuss the life cycles involved in the three castes of honey bees.

(25 points)

QUESTION 2

Mr. Dlamini is planning to start beekeeping business at large scale farming. He then approaches you to give him advice as to how to locate his apiary site. Discuss what factors he should consider in selection of a suitable apiary site.

(25 points)

QUESTION 3

Write short notes on

- a) Drone (4 points)
- b) Smoker (4 points)
- c) Hive tools (4 points)
- d) Feeding swarm honey bees (13 points)

QUESTION 4

Discuss some considerations for inspecting honeybees in apiary paying attention to what you need and what you do.

(25 points)

QUESTION 5

Poor management practices and a lack of knowledge about diseases are some of the important factors that aggravate disease conditions in beekeeping.

- a) Suggest at least 5 good beekeeping practices that a beekeeper must attend to. (15 points)
- b) Describe the following diseases
 - Chalkbrood (5 points)
 - Brood nosema (5 points)