



2ND SEM. 2012/2013

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

**PROGRAMME: BACHELOR OF SCIENCE IN AGRICULTURAL
EDUCATION, AGRONOMY AND HORTICULTURE II**

COURSE CODE: CP 203

TITLE OF PAPER: AGRICULTURAL ENTOMOLOGY

TIME ALLOWED: TWO (2) HOURS

**INSTRUCTIONS: ANSWER QUESTION ONE (1) AND ANY OTHER THREE
(3) QUESTIONS)**

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

QUESTION 1

- (a) How do insect see objects? (5 Marks)
 - (b) How are insects classified? (5 Marks)
 - (c) What are pests? (5 Marks)
 - (d) Name FIVE (5) ways in which pests can be controlled. (5 Marks)
 - (e) Give FIVE reasons why insects are economically important. (5 Marks)
- (25 Marks)**

QUESTION 2

Make and label sketches of each of the following:-

- (a) Leg of an insect (5 Marks)
 - (b) Abdomen of an insect (5 Marks)
 - (c) Digestive system of an insect (8 Marks)
 - (d) Body wall of an insect (7 Marks)
- (25 Marks)**

QUESTION 3

Draw a similar table to this one and then fill the spaces provided

Order	Example	How to identify the Order
1. Isoptera		
2. Hymenoptera		
3. Diptera		
4. Coleoptera		
5. Lepidoptera		

Marks: Examples of the 5 Orders above (5 Marks)

How to identify the 5 Orders above (20 Marks)

(25 marks)

QUESTION 4

Name (FIVE) 5 of the most important pests in Swaziland of EACH of the following:-

- (a) Citrus (5 Marks)
 - (b) Cereal grain storage (5 Marks)
 - (c) Field beans (5 Marks)
 - (d) Crucifers (5 Marks)
 - (e) Cucurbits (5 Marks)
- (25 marks)**

QUESTION 5

Give one example of each of the following methods of controlling pests and then briefly explain how each method works:-

- (a) Biological control (5 Marks)
 - (b) Chemical control (5 Marks)
 - (c) Cultural control (5 Marks)
 - (d) Legislative pest control and (5 Marks)
 - (e) Physical and mechanical control (5 Marks)
- (25 Marks)**