



SUPPLEMENTARY2005/ 6

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UNIVERSITY OF SWAZILAND

SUPPLEMENTARY EXAMINATIONS

**PROGRAMME DIPLOMA IN AGRICULTURAL EDUCATION AND
AGRICULTURE**

COURSE CODE: CP 203

TITLE OF PAPER: INTRODUCTORY ENTOMOLOGY

TIME ALLOWED: TWO (2) HOURS

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

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THE CHIEF INVIGILATOR**

INSTRUCTIONS:-ANSWER QUESTION ONE (1) AND ANY OTHER THREE (4)

Question 1

(This question is compulsory)

Briefly explain what EACH of the following mean:-

- (a) Elytra
- (b) Pronotum
- (c) Ecological niche
- (d) Aposematic
- (e) Habitat
- (f) Nymph
- (g) Complete metamorphosis
- (h) Hypermetamorphosis
- (i) Oviparous
- (j) Maxilla
- (k) Pleural membrane
- (l) Tympanum
- (m) Exocuticle
- (n) Maxilla
- (o) Campodeiform
- (p) Stadium
- (q) Labrum
- (r) Radius
- (s) Chitin

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- (t) Trochanter
- (u) Flagellum
- (v) Saprophyte
- (w) Coarctate
- (x) Haltere
- (y) Proventriculus

(25 Marks)

Question 2

Name an insect belonging to each of the insect Orders listed below.

Give identifying characteristics of each Order.

- (a) Lepidoptera
- (b) Coleoptera
- (c) Thysanoptera
- (d) Orthoptera
- (e) Hemiptera (Heteroptera)

(25 Marks)

Question 3

What are the differences between the following:-

- (a) Arachnida and Hexapoda
- (b) Chilopoda and Diplopoda
- (c) Filiform and moniliform
- (d) Coarctate and exarate
- (e) Complete and incomplete metamorphosis

(25 Marks)

Question 4

Describe with the aid of a diagram how an insect breathes

(25 Marks)

Question 5

Describe the bodywall of an insect and use a diagram or diagrams to illustrate your answer. What are the functions of the parts shown?

(25 Marks)