

UNIVERSITY OF SWAZILAND FINAL EXAMINATION PAPER

PROGRAMME:

BACHELOR OF SCIENCE IN AGRONOMY YEAR 1

COURSE CODE:

CPR 101

TITLE OF PAPER:

INTRODUCTORY AGRICULTURAL ENTOMOLOGY

TIME ALLOWED:

TWO (2) HOURS

INSTRUCTIONS:

ANSWER QUESTION 1 AND ANY OTHER THREE (3)

QUESTIONS

DO NOT OPEN UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR

(5 marks)

(15 marks)

(25 marks)

QUESTION 1

a)	t ten (10) insect Orders and for each Order give an example, and one (1) main racteristic.			
b)	Explain why insects are important.	(10 marks) (25 marks)		
	QUESTION 2			
a)	List ten (10) Arthropods and give an example for each.	(5 marks)		

(25 marks)

QUESTION 3

b) What are the five (5) characteristics of Arthropods?

c) Explain why insects are more successful than other animals?

a)	How insects are classified using the Linnaeus's System of Classification?	(15 marks)
b)	State the differences between the following:-	
	(i) Capitate and Clavate	(2 marks)
	(ii) Pectinate and Plumose	(2 marks)
	(iii) Aristate and Setaceous	(2 marks)
	(iv)Filiform and Moniliform	(2 marks)
	(v) Apposition and Superposition	(2 marks)

QUESTION 4

a)	Draw the three (3) insect mouthpart orientations and state examples of an insect with the		
	mouthpart orientation.	(6 marks)	
b)	List the six (6) insect's mouthparts.	(6 marks)	
c)	List six (6) mouthpart modifications and examples of an insect with the mouthpart		
	modification.	(12 marks)	
d)	Draw an insect antennae and label the different parts.	(1 marks)	
		(25 marks)	

QUESTION 5

(a)	Explain the following:		
	(i)	Camouflage	(2 marks)
	(ii)	Aposematic	(2 marks)
	(iii)	Hibernation	(2 marks)
	(iv)	Aestivation	(2 marks)
	(v)	Parthenogenesis	(2 marks)
	(vi)	Viviparous	(2 marks)
	(vii)	Exuvium	(2 marks)
	(viii)	Stadium	(1 mark)
(b)	Describe the following and state where they each is found		
	(i) V	Vermiform	(2 marks)
	(ii)	Eruciform	(2 marks)
	(iii)	Elateriform	(2 marks)
	(iv)	Campodeiform	(2 marks)
	(v)	Scarabeiform	(2 marks)
			(25 marks)