

UNIVERSITY OF SWAZILAND SUPPLEMENTARY 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 ALL QUESTIONS

DO NOT OPEN UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR

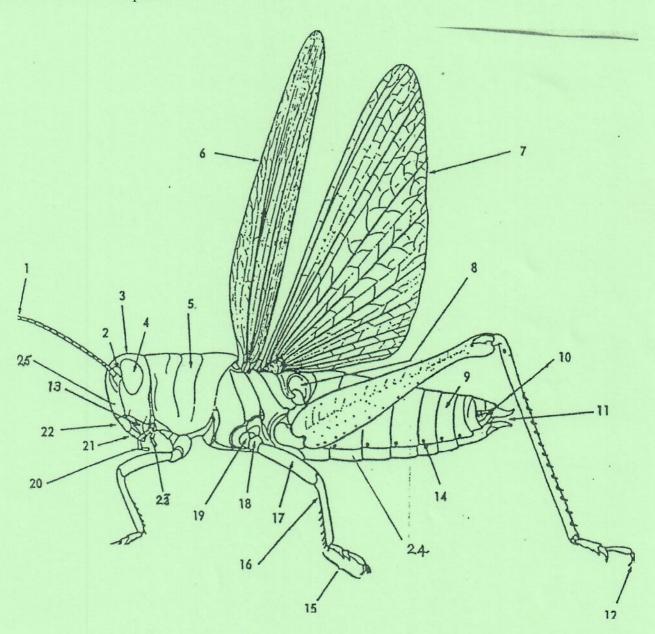
QUESTION 1

Briely explain what each of the following mean:-

i.	Labrum	(1 mark)
ii.	Scape	(1 mark)
iii.	Corbiculum	(1 mark)
iv.	Trochanter	(1 mark)
v.	Ommatdium	(1 mark)
vi.	Tympanum	(1 mark)
vii.	Camouflage	(1 mark)
viii.	Metamorphosis	(1 mark)
ix.	Coxa	(1 mark)
x.	Mandibles	(1 mark)
xi.	Tergum	(1 mark)
xii.	Tarsus	(1 mark)
xiii.	Pronotum	
xiv.	Tegmen	(1 mark)
xv.	Exuvium	(1 mark)
xvi.	Spiracle	(1 mark)
xvii.	Labium	(1 mark)
xviii.	Proleg	(1 mark)
xix.	Femur	(1 mark)
XX.	Ovipositor	(1 mark)
xxi.	Maxilla	(1 mark)
xxii.	Sternum	(1 mark)
xxiii.	Elytron	(1 mark)
xxiv.	Ootheca	(1 mark)
xxv.	Clypeus	(1 mark)
	- V.	(1 mark)
		(25 Marks)

QUESTION 2

Label the different insect parts



(25 marks)

QUESTION 3

a)	List four (4) insect Orders with hypermetamorphosis.	(4 marks)		
b)	List four (4) insect Orders with holometabolous development.	(4 marks)		
c)	List four (4) insect Orders with ametabolous development.	(4 marks)		
d)	List four (4) insect Orders with paurometabolous development.	(4 marks)		
e)	What is the importance of ventilation in aquatic insects?	(3 marks)		
f)	List three (3) insect Families with a closed tracheal system.	(3 marks)		
g)	List three (3) insect Families with an open tracheal system.	(3 marks)		
		(25 marks)		
		(=e marns)		
QUESTION 4				
a)	Explain how insect pollinated plants are adapted for insect pollination.	(10 marks)		
b)	Explain why bees are good pollinators.	(15 marks)		