



FIJI NATIONAL UNIVERSITY
COLLEGE OF AGRICULTURE, FISHERIES AND FORESTRY

Trade Diploma in Agriculture First Year Third Trimester Final Examination- 2016

ENT 503: Applied Entomology

Time Allowed: 3.00 hours plus (10 minutes reading time)

Total Marks: 50

INSTRUCTIONS:

1. This paper consists of four pages including one Answer Sheet.
2. Please check to see that all your paper is complete.
3. Answer all the Objective Type Questions on the Answer Sheet and Descriptive Type Question in the Answer Booklet only.
4. The Answer sheet of the objective Type Questions will be collected 30 Minutes after the start of Examination.
5. No written or printed material and mobile phones are allowed in the examination hall.
6. Marks allocated for each question appears at the side of each question so allocate your time accordingly.
7. This paper is having two parts. The first part contains Objective Type Questions which is having Three Sections – A, B and C. The second part contains Descriptive Type Questions.

I. OBJECTIVE TYPE QUESTIONS (10 Marks)

To be answered only on the Answer Sheet.

Section A: Fill in the blanks. (3 Marks)

Section B: True or False Questions. (2 Marks)

Section C: Multiple choice Questions. (5 Marks)

II. DESCRIPTIVE TYPE QUESTIONS (40 marks)

There is one part in descriptive type questions. It is compulsory to attempt four (4) questions. Write your answer on the Answer Booklet. Answer every question from a new page to facilitate evaluation.

I. OBJECTIVE TYPE QUESTIONS

Note: Answer only on the Answer Sheet and return 30 minutes after the start of Examination.

Time: 0.30 hrs.

Total Marks: 10

A. Fill in the blanks. (3x1=3 Marks)

1. The is the scientific name for a common taro insect pest in Fiji.
2. The is one of the fruit flies species that are only present in Rotuma.
3. A insect is an insect that feeds on a few species of vegetables in the same family.

B. True or False questions: Select the correct answer. (2x1=2 Marks)

4. The larvae of a fruit fly normally lives in the soil
5. The egg of the taro mite usually burrows into the taro corm.....

C. Multiple choice questions: Select the correct answer. (5x1=5 Marks)

6. The is mostly associated with the sucking and piercing mouthpart of an insect.

A.	labium	B.	maxillae
C.	labrum	D.	proboscis

7. All insect pests that feeds on plants are referred to as

A.	polyphagous	B.	phytophagous
C.	monophagous	D.	oligophagous

8. Taro *Papuana uniondis* was first sighted in Fiji in

A.	1984	B.	1988
C.	1994	D.	1983

9. is an economical fruit pest in Fiji.

A.	<i>Bactrocera passiflorae</i>	B.	<i>Bactrocera obscure</i>
C.	<i>Bactrocera kirki</i>	D.	<i>Helicoverpa zea</i>

10. Armyworm is the larva of.....

A.	<i>Helicoverpa zea</i>	B.	<i>Diabrotica virgifera virgifera</i>
C.	<i>Pseudaletia unipuncta</i>	D.	<i>Papaipema nebris</i>

II. Descriptive type Questions**(40 Marks)**

Note: Attempt FOUR Questions Only. FOUR questions from this part are compulsory. All carries ten (10) marks each.

1. Distinguish (Draw and Label) the chewing mouthparts of an insect pest? (10)
2. Distinguish (Draw and Label) the life cycle of fruit flies? (10)
3. Differentiate by drawing and labeling the (i) siphoning and (ii) piercing and sucking mouthparts of an insect pest? (10)
4. List and Discuss 5 requirements for pesticide storage? (10)
5. Discuss the following terms and abbreviations:
 - i) Waiting Period (2)
 - ii) Pesticide Formulation (2)
 - iii) Economic Injury level (2)
 - iv) Surveillance (2)
 - v) Delimiting Survey (2)

Student I D No.....

Date:

Marks obtained:

Trade Diploma in Agriculture First Year Third Trimester Final Examination- 2016

ENT 503: Applied Entomology

I. Objective Type Questions - Answer Sheet

Time: 0.30 hrs.

Total Marks: 10

A.	1.		
	2.		
	3.		
B.	4.		
	5.		
C.	6.		
	7.		
	8.		
	9.		
	10.		

The End