



FIJI NATIONAL UNIVERSITY
COLLEGE OF AGRICULTURE, FISHERIES AND FORESTRY

Trade Diploma in AGRICULTURE First Year First Trimester Final Examination- 2016

ENT 402: Agricultural Biology

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 scientific name for silkworm is
2. The scientific name for honey bees is
3. The scientific name of an exotic arthropod that Fiji is on the lookout for is

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

4. Not all arthropods have three segmented bodies
5. All insects in the Animal Kingdom have cell walls called chloroplasts.....

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

6. A is a pest that occurs only at certain time of the year.

A.	Timely pest	B.	Monthly Pest
C.	Seasonal Pest	D.	Frequent

7. These pest organisms are not always present, and a close association with a particular crop is absent, but can occur as a problem from time to time

A.	Occasional Pest	B.	Frequent
C.	Seasonal Pest	D.	<i>Bactrocera passiflorae</i>

8. The assume pest status occasionally in certain years in a few isolated localities.

A.	Occasional pests	B.	Regular pests
C.	Seasonal pests	D.	Sporadic pests

9. Insects which occur on a crop almost throughout the year are known as

A.	Frequent pests	B.	Annual pests
C.	Yearly pests	D.	Persistent pests

10. Solar energy over a cultural cabbage farm is an example of..... In agriculture.

A.	Societal Limitation	B.	Societal and Environmental Limitation
C.	Environmental Limitation	D.	All of the above

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. **Draw and Label** the life cycle of *Bombyx mori*? (10 marks)
2. **Name and Discuss** the three major Biosecurity areas of works? (10 marks)
3. **Draw and Label** the anatomy of an adult *Apis Mellifera*? (10 marks)
4. **List and Discuss** five important tools that are used in apiculture and its functions? (10 marks)
5. **Define and Discuss** the following terms. Support your answers also with **Sketches** and **Examples**:
 - i) Biodiversity (2 marks)
 - ii) Biosecurity (2 marks)
 - iii) Economic Injury level (2 marks)
 - iv) Biosecurity Promulgation 2008 (2 marks)
 - v) Ecosystem (2 marks)

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Marks obtained:

Trade Diploma in Agriculture First Year First Trimester Final Examination - 2016**ENT 402: Agricultural Biology****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