

COLLEGE OF AGRICULTURE, FISHERIES & FORESTRY

SCHOOL OF AGRICULTURE SCIENCE

Bachelor of Science in Agriculture Year 3: Trimester 2 Examination, 2017

PPA 702: Biosecurity & Quarantine

Allocated Time: 3 hours and 10 Minutes (Reading Time)

Allocated Marks: 50

Instructions:

1. This paper is consist of **four** sections. All Sections are **compulsory**. Take Note of the Option given in Section D.
2. Ensure to write your names and ID Number on each sheet of paper of the answer sheet.
3. No written or printed materials are allowed into the examination room.
4. No mobile phone and other electronic device is allowed into the examination room.
5. You need to provide your own writing materials for the examination.
6. Write all your answers in the Answer sheet provided.

The table below shows the breakdown of the assessment paper and allocated time and marks.

Section	Section Description	Suggested Time	Allocated Marks
A	10 Multiple Choices	15 Minutes	10
B	10 Short Answer Questions	50 Minutes	20
C	2 Essay Questions	100 minutes	20

Multiple Choices:

(10 Marks)

1. Which of the following is not the role of the Biosecurity Authority of Fiji?
 - a. Ensuring that exporters meet the requirements of the import country.
 - b. Prevent invasive species from entering Fiji.
 - c. Protect Fiji's indigenous flora and fauna.
 - d. Promote Fiji's marketability to other countries.

2. Which of the following agricultural product is has approved authority for Australia.
 - a. Mango
 - b. Papaw
 - c. Banana
 - d. Eggplant

3. A major disease that has been on a lookout by the Biosecurity Authority of Fiji.
 - a. Canker Disease of Cocoa
 - b. Bacterial Wilt of Tomatoes
 - c. Taro Leaf Blight of Taro
 - d. Fruit rot of Papaya

4. Which of the following is a Post-Border Operation?
 - a. Manifest screening
 - b. Supervise treatment
 - c. Emergency response to pests and disease incursion
 - d. Vehicle inspection

5. A major drawback of surveillance protocol in Fiji and the region is -:
 - a. Lack of labour
 - b. Lack of facilities
 - c. Poor infrastructure
 - d. Geographical location with isolated islands

6. Which of the following is the latest threat of invasive species of pest to Fiji?
 - a. Giant African Snail
 - b. American Iguana
 - c. Termites
 - d. Taro Beetle

7. Which of the following location is not a Port of Entry in Fiji.
- Rotuma
 - Taveuni
 - Lautoka
 - Malau
8. Which of the following is not a basic element of crop protection?
- Crop Rotation
 - Good sanitation
 - Resistant varieties
 - Irrigation Techniques
9. Which of the following is a major challenge of Biosecurity in the region?
- Poor funding of existing infrastructures
 - Lack of research
 - Poor technology
 - Lack of interest from stakeholders
10. Transportation of agricultural goods is determined to be the most important factor of post-harvest management as-:
- Reduces quality of products over time
 - Maintain quality of the product
 - Transfer materials from one place to the other
 - Distribute products to their final destinations.

Section B

(20 Marks)

1. State 2 key requirements for Pack House. (2 marks)
2. Differentiate between Pest Risk Management and Quality Management System. (2 marks)
3. State 3 roles of the Biosecurity Authority of Fiji. (1 ½ marks)
4. State the Vision of the Biosecurity of Fiji. (2 marks)
5. List 4 Biosecurity Operation Areas. (1 ½ marks)

6. Briefly explain the 3 common problems faced by BAF. (3 marks)
7. List 3 Quarantine Risk Group 1 Pests. (1 ½ marks)
8. List 3 regulated non-plant pests in Fiji. (1 ½ marks)
9. State 2 objectives for International Organization for Epizootics. (2 marks)
10. List 6 components of system approach before treatment is done. (3 marks)

Section C

Essay Writing

(20 marks)

Write an essay of about 750-900 words on the given topics. Essay should be properly formatted with the inclusion of examples and evidence of critical analysis. You can also use your own experiences to relate to the topic given. **(Both Essays are compulsory)**

1. Based on any country in the region, you are to select a particular pest or disease of economic significance to your country and discuss the threats of the invasive species to your country. Determine the location of the threat in your country, the impact to the lives of the people, and what has been done so far.
2. Discuss the role of Biosecurity in controlling or preventing the disease or pest in your country. Your essay should focus on **System Approach and Pest Risk Management Procedures**.

THE END