



The Open University of Sri Lanka
Faculty of Engineering Technology
Department of Agricultural and Plantation Engineering



Study Programme	: Bachelor of Industrial Studies Honours (Agriculture)
Name of the Examination	: Final Examination
Course Code and Title	: AGI3553 Plant Protection
Academic Year	: 2021/2022
Date	: 27 th February 2023
Time	: 13.30 - 16.30 hrs
Duration	: 3 hours

Index No. -----

General Instructions

1. Read all instructions carefully before answering the questions.
 2. This question paper consists of **2 SECTIONS**.
 3. **SECTION I contains (15) questions and SECTION II contains (6) questions**
 4. **Answer all questions in SECTION I and any Four (4) questions from SECTION II**
 5. All questions carry equal marks.
 6. Answer for each question should commence from a new page.
 7. This is a Closed Book Test.
 8. Answers should be written in clear handwriting.
 9. Do not use red colour pen.
-

SECTION I: Answer all questions. Use the space given under each question.

1. Name three (03) divisioning of an insect body.

i.

ii.

iii

2. List four (04) agriculturally important insect orders.

i.

ii.

iii

iv

3. Briefly explain the role of insects as pollinators in agriculture.

4. Define the term 'Pesticide'

5. Classify the insecticides on the basis of their routes of entry into the body system of the target pest.

i.

ii.

iii.

iv

6. Briefly explain how the pesticide-resistant develop in pests.

7. 'Grass is a major weed in agriculture'. Name five (05) characteristics to identify the grasses.

i

ii

iii

iv

v

8. Define the term 'Disease'.

9. What are the three (03) mode of infections of pathogens,

i

ii

iii

10. Name the three (03) phases of the "infection process" of causal organisms.

i

ii

iii

iv

v

11. Briefly explain the ability of plant pathogen to survive as saprophytes.

12. Briefly explain the role of alternative hosts in disease development.

13. Define the term 'True resistant'.

14. List four (04) factors responsible for disease to transform to an endemic.

i

ii

iii

iv

15. List the four (04) methods available for eradication of plant pathogens.

i

ii

iii

iv