

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 : **AGI6486 Field and Laboratory Techniques in Plant Protection**
Academic Year : 2021/2022
Date : 23rd February 2023
Time : 13.30 - 16.30 hrs

SECTION 2: Answer any four (04) questions.

1. Brown Plant Hopper (BPH), *Nilaparvata lugens* damage is sever insect pest attack in Sri Lanka. Explain the following on BPH attack.
 - a. Damage
 - b. Identification of the attack
 - c. Controlling the attack
 - d. Preventing outbreaks
2.
 - a. Write the management strategies of Red Palm Weevil (*Rhynchophorus ferrugineus*) attacking coconut palms.
 - b. Explain how to identify the Diamondback Moth (*Plutella xylostella*) attack and the damage caused on Cruciferous Crops.
3. Explain the pest surveillance on following topics
 - a. Basic components
 - b. Steps of carrying out the procedure
4. Discuss the Integrated Pest Management (IPM) techniques suitable for paddy cultivation.
5. Explain the Serological methods of identifying the plant pathogens.
6. Discuss the Weligama Coconut Leaf Wilt Disease (WCLWD) under the topics below.
 - a. Symptoms
 - b. Diagnosis and identification
 - c. Management

