

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



Study Programme	: Bachelor of Industrial Studies Honours (Agriculture)
Name of the Examination	: Final Examination
<b>Course Code and Title</b>	<b>: AGI3553 Plant protection</b>
Academic Year	: 2020/2021
Date	: 23 <sup>rd</sup> February 2021
Time	: 14:00 - 17:00 hrs

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**SECTION 2: Answer any four (04) questions.**

1. "Agriculturally beneficial insects provide regulating ecosystem to the agriculture".  
Write an essay on given statement (25 marks).
2. Compare and contrast the synthetic chemical pesticide use and the botanical pesticide use to control insect pests (25 marks).
3. Describe an Integrated Weed Management (IWM) program for a new farm to be established in the Mid Country Wet Zone region in Sri Lanka (25 marks).
4. Describe the characteristics of weeds and how they use them to adapt the surrounding environment successfully (25 marks).
5. Describe how the host, pathogen, and environment interact to cause diseases in plants (25 marks).
6. Write short notes on following.
  - a. Discuss the pathogen dissemination and the role of vectors in spreading diseases (12.5 marks).
  - b. Symptoms appear due fungal infections (12.5 marks).

