

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



|                              |                                                                            |
|------------------------------|----------------------------------------------------------------------------|
| Study Programme              | : Bachelor of Industrial Studies<br>Honours (Agriculture) Degree Programme |
| Name of the Examination      | : Final Examination                                                        |
| <b>Course Code and Title</b> | <b>: AGI3553 Plant Protection</b>                                          |
| Academic Year                | : 2023/2024                                                                |
| Date                         | : 28 <sup>th</sup> February 2025                                           |
| Time                         | : 14.00 - 17.00 hrs                                                        |

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

1. Write an essay on agriculturally beneficial insects (25 marks).
2. "Botanical insecticides are naturally occurring chemicals extracted or derived from plants or minerals" Discuss given statement by emphasising on importances and drawbacks of the botanical insecticide (25 marks).
3. Design an integrated pest management programme for a paddy field (25 marks).
4. Explain the importance of interacting three components: the host, the pathogen, and the environments to establish a disease in a cropping field (25 marks).
5. Discuss the preexisting defence mechanisms available in plants to defend the pathogen attacks (25 marks).
6. Discuss the survival and dissemination methods of pathogens in an agricultural land (25 marks).