



The Open University of Sri Lanka  
 Faculty of Engineering Technology  
 Diploma/Degree in Technology and Industrial Studies (Agriculture)  
 Final Examination- 2012/2013  
 AEX4230 Integrated Crop Protection

Date : 26 -07 - 2013  
 Time : 0930-1230 hours  
 Duration : Three (03) hours.

## SECTION II

1. Discuss the importance of following methods on effective controlling of insect pests.
  - a. Cultural controlling
  - b. Cultivating resistance varieties
2.
  - i. Explain the different types of pesticide formula available in the market.
  - ii. Discuss the safety precautions to be taken before and after applying pesticides.
3.
  - i. Classify the causal agents of plant diseases.
  - ii. Explain the factors influencing for the disease epidemics.
4. Explain the influence of environment on the plant disease development.
5.
  - i. Classify the weeds based on three (03) major characteristics.
  - ii. Discuss the weed biology on following topics.
    - a. Weed characteristics
    - b. Problems of weeds
    - c. Benefits of weeds as plants
6. Introduce and explain an Integrated Pest Management (IPM) system applicable for paddy fields.