



The Open University of Sri Lanka  
 Faculty of Engineering Technology  
 Diploma/Degree in Technology & Industrial Studies (Agriculture)  
 Final Examination- 2011/2012

**AEX 4230 Integrated Crop Protection**

Date : 24 -02 -2012  
 Time : 0930-1230 hours  
 Duration : Three (03) hours

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**SECTION II**

1. Explain the Shot hole borer (*Xyleborus fornicatus*) attack in Tea using following topics.
  - a.) Specificity/specificities of the insect attack.
  - b.) Damage symptoms of the insect attack.
  - c.) Control measures.
  
2.
  - a.) Explain the requirement of integrated pest management in an agricultural system.
  - b.) Write the steps of developing an integrated pest management system in a Sri Lankan farm.
  - c.) Discuss the limitations of an integrated pest management system.
  
3.
  - a.) Classify the disease causal agents.
  - b.) "All pathogens are parasites that live on live plant material. However, there are pathogens live on dead plant material." Critically evaluate the statement.
  
4. Write an essay on controlling weeds using Integrated Weed Control Practices (IWP) in a vegetable cultivation.
  
5.
  - a.) What is meant by biological control of weeds?
  - b.) Explain the following on biological control.
    - i.) Methods of practicing.
    - ii.) Advantages.
    - iii.) Draw backs.

6. Write short notes on any four (04) of following...
1. Resistant development of insect pests.
  2. Discuss the advantages and disadvantages of chemical controlling of pests.
  3. Disease eradication.
  4. Explain reproduction of weeds and dissemination methods.
  5. Compare and contrast the grasses and sedges.