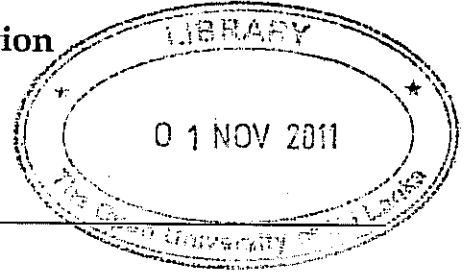




The Open University of Sri Lanka  
Faculty of Engineering Technology  
Diploma/Degree in Technology & Industrial Studies (Agriculture)  
Final Examination- 2010/2011

**AEX4230 Integrated Crop Protection**



Date : 04-03-2011  
Time : 0930-1230 hours  
Duration : Three (03) hours

**SECTION II**

- (1) (a) Illustrate the complete metamorphosis of insects.  
(b) "*Spodoptera mauritia* is a common pest of Rice." Answer the following questions on above statement.
  - i.) Write the common name of the pest.
  - ii.) Explain the damage.
  - iii.) Describe the control measures.
- (2) Explain one (01) Coleopteran insect pest of Coconut and write an essay on following information.
  - (a) Common name and scientific name.
  - (b) Damage.
  - (c) Control measures.
- (3) (a) Classify the disease causal agents giving four (04) examples for each category.  
(b) "Knowledge of the life cycle of the pathogen is essential in understanding disease development and management strategies." Critically discuss and evaluate the above statement on fungus life cycle.
- (4) (a) Explain the methods of pathogen eradication in disease management.  
(b) How effective is crop rotation in implementing a long term Plant Health Management Strategy?
- (5) Write an essay on "Managing weeds using Integrated weed control practices (IWP)"
- (6) Write short notes on any four (04) of the following.
  - (a) Influence of environment on plant disease development.
  - (b) Role of beneficial insects in our environment.
  - (c) Damage of tea termites and their management.
  - (d) Development of pest resistance to the insecticides.
  - (e) Different herbicide formulations and there mode of action.