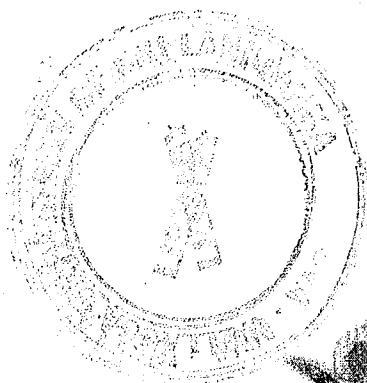




Uva Wellassa
University

Faculty of Animal Science & Export Agriculture
Uva Wellassa University



Year II Semester II
End Semester Examination – June/ July 2008

Crop Pest and Disease Management (EAG 2206-2)

Instructions

Answer all questions

No. of questions : Five (5)
No. of pages : Two (2)
Time : Two hours (2 hrs)
Total marks allocated : 100%

1. Write short notes on the following
 - a. Insect Population Sampling and Monitoring Methods
 - b. Export crop pest management
 - c. Microbial pesticides
 - d. Natural enemies of insect pests
2.
 - a. Briefly explain on how to do pest management in an economical and ecologically sound way.
 - b. Explain the role of IPM in value addition to agricultural crop production.
3. Distinguish between the following
 - a. Healthy plant and Diseased plant
 - b. Infectious diseases and Non infectious diseases
 - c. Animate Causes and Inanimate Causes of diseases
 - d. Sign and Symptoms
 - e. Obligate Parasites and Non obligate Parasites

4.

- a. Explain the major causes of **Chlorosis** and **Necrosis** in non infectious plant diseases
- b. How do you use the **Van der Plank model** in the management of plant diseases?
- c. Suppose you have two crop field named **A** and **B**. Field **A** has 0.001 inoculum proportion. In the field **B** this proportion has been reduced by 90 percent by some eradication program. Conditions are otherwise identical so that infection rate is the same in both fields and values 0.23. Calculate the additional time taken in the **B** field to reach the same disease level.

5.

- a. Discuss the main **Events of a Disease Cycle** of a plant pathogen.
- b. Briefly explain the **Defence Mechanisms** in plants against plant pathogens

