



EAG 211-2 Crop Pest and Disease Management

Instructions

Answer all questions

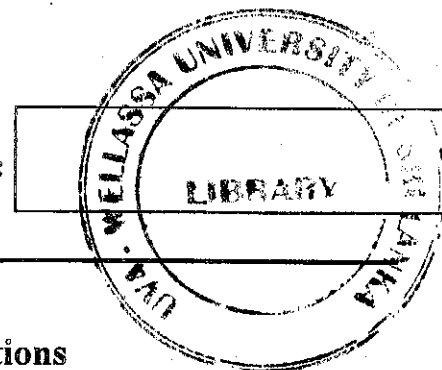
No. of questions : Three (03)

No. of pages : One (01)

Total marks allocated : 60%

Time : One hour

Index No:



Part III – Essay type questions

Question 1

What is an epidemic? How Van Der Plank explained the development of an epidemic? What are the measures that can be used to manage an infectious disease? (20 marks)

Question 2

Explain how the plant pathogens influence the physiological functions of host plants leading to poor yields. (20 marks)

Question 3

a) Describe the two different methods of impulse transmission in the nervous system of an insect, and the mechanisms through which neurotoxic insecticides affect the function of nervous system. (10 marks)

b) Briefly describe how you implement a classical biological control program to decrease the population density of an insect species newly emerged as a pest in upcountry vegetable cultivation. (10 marks)