
CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF MASTER OF SCIENCE IN
PLANT PATHOLOGY**

BOTA 805: EPIDEMIOLOGY AND PLANT DISEASE CONTROL

STREAMS: MSC BOTA

TIME: 3 HOURS

DAY/DATE: FRIDAY 06/12/2019

2.30 P.M. – 5.30 P.M.

INSTRUCTIONS:

- **Answer three questions.**

- Using relevant examples, discuss survival mechanisms of fungi. (10 marks)
 - Define integrated diseases management. (2 marks)
 - Discuss how you would implement an IDM programme for late blight disease of potatoes, giving reasons for control methods used. (8 marks)
 - Discuss factors that affect development of epidemics. (20 marks)
 - Discuss disease measurement and assessment. (10 marks)
 - Discuss factors to consider when forecasting plant diseases. (5 marks)
 - To what extent is forecasting useful in disease management. (5 marks)
 - Discuss, how biotechnology contributes to the successful management of plant diseases. (20 marks)
-