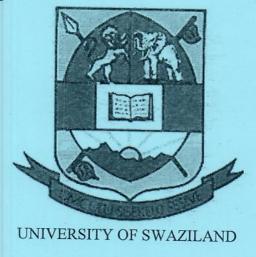
1ST SEMESTER 2017/18

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RESIT EXAMINATION PAPER

PROGRAMS

BACHELOR OF SCIENCE IN AGRONOMY YEAR 2

BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION YEAR 2

BACHELOR OF SCIENCE IN HORTICULTURE YEAR 2

COURSE CODE: CPR 201

TITLE OF PAPER: CROP PEST AND MANAGEMENT

TIME ALLOWED: TWO (2) HOURS

INSTRUCTION: ANSWER ALL QUESTIONS

DO NOT OPEN THIS PAGE UNTIL PERMISSION HAS BEEN GRANTED BY THE CHIEF INVIGILATOR

1ST SEMESTER 2017/18

PAGE 2 OF 2

Question 1 (25 Marks)

- a) Name five methods of sampling insects from the ground or from vegetation (5 Marks)
- b) Describe how the methods you mentioned in Q1 (a) are employed

(20 Marks)

Question 2 (25 Marks)

a) Describe the following plant yield responses to insect infestation (1

(15 Marks)

i. Susceptive response

(5 Marks)

ii. Tolerant response

(5 Marks)

iii. Over-compensatory response

(5 Marks)

b) Discuss the relation between physiological time and the degree-day method

(10 Marks)

Question 3 (25 Marks)

a) Discuss the direct and indirect damages that insect pests cause to crops before harvest

(10 Marks)

b) Outline and discuss five types of post-harvest losses that insects cause to crops

(15 Marks)

Question 4 (25 Marks)

a) Describe three methods of biological control of insects

(12 Marks)

b) Describe the types of natural enemy used in biological control of insects

(5 Marks)

c) Discuss the advantages and the disadvantages of biological control in pest management

(8 Marks)