

UNIVERSITY OF ESWATINI



FINAL EXAMINATION 2018/19

PAGE 1 OF 3

FINAL EXAMINATION PAPER

PROGRAMME:

B.SC. IN AGRICULTURAL EDUCATION YR 2, B.SC. IN
AGRICULTURAL EDUCATION EXTENSION YR 2, B.SC. IN
AGRONOMY YR 2 AND B.SC. IN HORTICULTURE YR 2

COURSE CODE:

CPR 201

TITLE OF THE PAPER:

CROP PEST AND MANAGEMENT

TIME ALLOWED:

TWO (2) HOURS

INSTRUCTIONS:

ANSWER QUESTION 1 AND ANY OTHER THREE (3)
QUESTIONS

DO NOT OPEN UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR

Question 1

a) Define the following:

(15 marks)

- i. Pest (1 marks)
- ii. Endemic pest (1 marks)
- iii. Minor pest (1 marks)
- iv. Major pest (1 marks)
- v. Exotic pests (1 marks)
- vi. Monophagous pest (1 marks)
- vii. Polyphagous pest (1 marks)
- viii. Phytosanitary pest (1 marks)
- ix. Secondary pests (1 marks)
- x. Regular pest (1 marks)
- xi. Occasional/Sporadic pests (1 marks)
- xii. Seasonal pest (1 marks)
- xiii. Potential pests (1 marks)
- xiv. Migrant pests (1 marks)
- xv. Veterinary pests (1 marks)

b) Explain why it is important to study crop pests?

(10 marks)

(25 marks)

Question 2

a) Explain the different factors that cause plant damage?

(15 marks)

b) What kind of damage is caused by the following insects on their host plants? **(10 marks)**

- i. *Chilo partellus* (2 marks)
- ii. *Ophiomyia phaseoli* (2 marks)
- iii. *Aphis craccivora* (2 marks)
- iv. *Clavigralla* spp. (2 marks)
- v. *Nezara viridula* (2 marks)

(25 marks)

Question 3

- a) List the **five (5)** factors that causes pest outbreaks. **(5 marks)**
 - b) Explain how each of the factors named above result in pest outbreaks. **(20 marks)**
- (25 marks)**

Question 4

- a) Name **five (5)** major insect pests of stored grain in Swaziland. **....(5 marks)**
- b) Describe how each of the pests mentioned above can be identified and the damage these pests inflict on the stored grain. **(20 marks)**

(25 marks)

Question 5

- c) Name **five (5)** major pests of maize in Swaziland. **(5 marks)**
 - d) Describe how each of the pests mentioned above can be identified. **(10 marks)**
 - e) Explain how the above pests can be prevented or controlled? **(10 marks)**
- (25 marks)**