



# EMBU UNIVERSITY COLLEGE

(A Constituent College of the University of Nairobi)

---

2015/2016 ACADEMIC YEAR

SECOND SEMESTER EXAMINATION

EXAMINATION FOR DIPLOMA IN CROP PROTECTION

ACP 016: PEST AND DISEASE MANAGEMENT

DATE: APRIL 5, 2016

TIME:08:30-10:30

---

## INSTRUCTIONS:

Answer Question ONE and ANY Other TWO Questions

---

## QUESTION ONE

- a) A group of young children are arguing about disease causing organisms and do not seem to know, as an expert; what pathogens would you tell them cause diseases. (4 Marks)
- b) Explain economic threshold and injury levels as related to pest and disease management (5 Marks)
- c) When selecting pest management options, give **FOUR** approaches that you would consider as preventive. (4 Marks)
- d) List **FIVE** ways through which one can prevent soil borne diseases. (5 Marks)
- e) List **FIVE** goals of integrated disease management. (5 Marks)
- f) Your classmate has challenged you to explain the advantages of using tissue culture, outline your response. (5 Marks)

g) Define the following terms

i) Disease (1 Mark)

ii) Pest (1 Mark)

**QUESTION TWO**

Discuss the cultural methods that you can employ in managing pests and diseases .

(20 Marks)

**QUESTION THREE**

Discuss FIVE principles of plant disease management

(20 Marks)

**QUESTION FOUR**

Discuss the general approaches that a farmer can use to manage nematodes in his crop farm

(20 Marks)

**QUESTION FIVE**

Discuss pre-harvest processes that affect post-harvest returns in fruit crops

(20 Marks)

--END--