



# UNIVERSITY OF EMBU

**2016/2017 ACADEMIC YEAR**

**FIRST SEMESTER EXAMINATION**

**FIRST YEAR EXAMINATION FOR THE DIPLOMA IN CROP PROTECTION**

**ACP 019: DIAGNOSTICS OF CROP DISEASES, ARTHROPODS PESTS AND WEEDS**

**DATE: DECEMBER 8, 2016**

**TIME: 11:00AM-1:00PM**

**INSTRUCTIONS:**

**Answer Question ONE and ANY other TWO Questions**

**QUESTION ONE (30 MARKS)**

- a) Define the term 'plant disease' (2 marks)
- b) What are the general effects of diseases on crop production? (5 marks)
- c) Discuss disease classification, giving examples (5 marks)
- d) Explain the signs and symptoms of fungal diseases (5 marks)
- e) What are the characteristics that can be used to recognize insects in the Hymenoptera Order? (3 marks)
- f) Discuss the benefits derived from weeds (5 marks)
- g) Discuss the principles of weed control (5 marks)

**QUESTION TWO (20 MARKS)**

Discuss the cultural method of controlling diseases on plants

**QUESTION THREE (20 MARKS)**

Write an essay on the various mechanisms employed in weed control

**QUESTION FOUR (20 MARKS)**

Write an essay on anthracnose disease in plants.

**QUESTION FIVE (20 MARKS)**

Discuss the disadvantages of weeds on food crops.

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