



# **SOUTH EASTERN KENYA UNIVERSITY**

## **UNIVERSITY EXAMINATIONS 2014/2015**

### **SECOND YEAR THIRD SEMESTER EXAMINATIONS FOR THE DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURE, DRYLAND AGRICULTURE AND HORTICULTURE**

#### **ACP 201: PRINCIPLES OF PLANT PATHOLOGY AND DISEASE CONTROL**

**DATE: 13<sup>TH</sup> APRIL, 2015**

**TIME: 1.30-3.30PM**

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#### **INSTRUCTIONS TO CANDIDATES**

- a) Answer **ALL** questions in section A
  - b) Answer any **TWO** questions in section B
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#### **Section A: Answer ALL questions (30 marks)**

- 1. Briefly describe oxidative burst (10 marks)
- 2. Differentiate between “monocyclic” and “polycyclic” (5 marks)
- 3. Describe the elements of disease epidemics (5 marks)
- 4. Describe Koch’s postulates (10 marks)

#### **SECTION B: Answer any TWO questions (40 marks)**

- 5. Discuss damping-off disease under the following subheadings
  - a) Cause
  - b) Types
  - c) Symptoms
  - c) Management (20 marks)
- 6. Describe the methods of plant disease assessment (20 marks)
- 7. Write an essay on plant disease physiology (20 marks)