



# **SOUTH EASTERN KENYA UNIVERSITY**

## **UNIVERSITY EXAMINATIONS 2017/2018**

### **FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURE & AGRICULTURAL EDUCATION & EXTENSION AND BACHELOR OF EDUCATION**

#### **ACP 204: PLANT PATHOLOGY**

**DATE: 13<sup>TH</sup> DECEMBER, 2017**

**TIME: 1.30 -3.30 PM**

**Instructions:** ANSWER ALL QUESTIONS IN SECTION A

ANSWER ANY TWO QUESTIONS IN SECTION B

#### **SECTION A (30 marks):**

- 1) Describe the plant disease triangle concept (10 marks)
- 2) Discuss how you can measure plant diseases (10 marks)
- 3) Explain five significance of plant diseases (10 marks)

#### **SECTION B (40 marks):**

- 4) Make short notes on the following infectious biotic factors:
  - a) Fungi (5 marks)
  - b) Bacteria (5 marks)
  - c) Virus (5 marks)
  - d) Nematodes (5 marks)
- 5) Discuss diagnosis of plant diseases based on the following approaches:
  - a) Symptomatology and Signs (10 marks)
  - b) Koch's Postulates (10 marks)
- 6) As an Agricultural extension officer trained at South Eastern Kenya University, describe to farmers how they can manage diseases on their farms (20 marks)