



*(Knowledge for Development)*

**KIBABII UNIVERSITY**  
**UNIVERSITY EXAMINATIONS**  
**2019/2020 ACADEMIC YEAR**

**THIRD YEAR FIRST SEMESTER**  
**SPECIAL/SUPPLEMENTARY EXAMINATIONS**

FOR THE DEGREE OF BACHELOR OF SCIENCE

**COURSE CODE:** SBT 326

**COURSE TITLE:** PRINCIPLES OF PLANT PATHOLOGY

**DATE:** Tuesday 9<sup>th</sup> December, 2020 **TIME:** 8:00 – 10:00 p.m.

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**INSTRUCTIONS TO CANDIDATES**

Answer question ONE [1] and ANY other TWO [2] questions

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over



KIBU observes ZERO tolerance to examination cheating

### **Question 1**

- a). Define the following terms as used in Plant pathology
- i). Wilting (2 MARKS)
  - ii). Short hole (3 MARKS)
  - iii.) Damping off (3 MARKS)
  - iv). Dry rot (2 MARKS)
- a). List FIVE main symptoms of plant fungal diseases (5 MARKS)
- b). State the factors that affect the growth of the germ tube during pathogen penetration in a disease cycle (5 MARKS)
- c). List the **six** genera of plant pathogenic bacteria, each with an example of a common disease symptom (6 MARKS)
- d). Describe two new methods of controlling plant viruses (4 MARKS)

### **Question 2**

Discuss the defense structures formed in response to infection in plants (20 MARKS)

### **Question 3**

Using examples of diseases caused, Discuss the divisions of plant pathogenic fungi (20 MARKS)

### **Question 4**

Discuss the effects of plant pathogens on plant physiology (20 MARKS)

### **Question 5**

Using **examples** discuss the chemical control method of plant disease (20 MARKS)