



*(Knowledge for Development)*

# **KIBABII UNIVERSITY**

## **UNIVERSITY EXAMINATIONS 2020/2021 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:** 11<sup>TH</sup> JANUARY 2022

**TIME:** 2.00 – 4.00 PM

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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)