



*(Knowledge for Development)*

# **KIBABII UNIVERSITY**

## **UNIVERSITY EXAMINATIONS 2021 / 2022 ACADEMIC YEAR**

### **THIRD YEAR FIRST SEMESTER MAIN EXAMINATION**

**FOR THE DEGREE OF BACHELOR OF SCIENCE**

**COURSE CODE: SBT 414**

**COURSE TITLE: PLANT PATHOLOGY**

**DATE: 17<sup>TH</sup> MAY 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)