

(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2021/2022 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER SPECIAL/SUPPLEMENTARY EXAMINATIONS

FOR THE DEGREE OF BACHELOR OF SCIENCE


COURSE CODE: SBT 414 / SBT 326
COURSE TITLE: PLANT PATHOLOGY / PRINCIPLES OF PLANT
PATHOLOGY

DATE: 15TH NOVEMBER 2022 **TIME: 11.00 -1.00 PM**

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). Mildew (2 MARKS)
- ii). Soft rot (3MARKS)
- iii). Leaf spot (3 MARKS)
- iv). Scap (2 MARKS)

- a). Name six salient characteristics of nematodes (6 MARKS)
- b). State the conditions for successful plant infection (5 MARKS)
- c). State five various methods of transmission of plant viruses (5 MARKS)
- d). Give the main four classifications of plant diseases (4 MARKS)

Question 2

Discuss the disease predisposing factors in plants (20MARKS)

Question3

Explain the defense mechanisms of plants against attack by pathogens (20MARKS)

Question 4

Using examples discuss the methods used by pathogens to penetrate a host (20 MARKS)

Question 5

Describe the biological disease control methods in plants (20 MARKS)