



KISII UNIVERSITY

UNIVERSITY EXAMINATIONS

SECOND YEAR EXAMINATION FOR THE AWARD OF THE DEGREE OF BACHELOR OF SCIENCE BIOLOGY AND BACHELOR OF SCIENCE IN AGRICULTURAL EXTENSION AND EDUCATION

FIRST SEMESTER 2022/2023

(JUNE - SEPTEMBER, 2022)

BOTA 251: PLANT PATHOLOGY

STREAM: Y2 S1

TIME: 2 HOURS

DAY: MONDAY, 9:00 AM – 11:00 AM

DATE: 12/09/2022

INSTRUCTIONS:

- 1. Do not write anything on this question paper.***
- 2. Answer ALL Questions in section A (Compulsory) and any other TWO***

SECTION A (40 MARKS)

1. Plant diseases can be classified in various ways. Discuss this statement and also state the concept of plant diseases. (8 marks)
2. Discuss the general characteristics of fungi and give the nine classes into which fungi are classified. (8 marks)
3. Describe the cultural methods used to control plant diseases. (8 marks)
4. What are the effects of nematode infections on crop plants? (8 marks)
5. Describe in details the necrotic symptoms of plant diseases. (8 marks)

SECTION B

6. Discuss the development of plant pathology from ancient times to the present era. (15 marks)
7. Discuss in details the abiotic agents of plant diseases. (15 marks)
8. Describe how the following agents infect plants: (15 marks)
 - a) Fungi
 - b) Phanerogams
 - c) Viruses