

KISII UNIVERSITY
UNIVERSITY EXAMINATIONS

**SECOND YEAR EXAMINATION FOR THE AWARD OF THE DEGREE OF
BACHELOR OF SCIENCE IN BOTANY
FIRST SEMESTER 2021/2022
(FEBRUARY-JUNE, 2022)**

BOTA251: INTRODUCTION TO PLANT PATHOLOGY

STREAM: Y2 S1

TIME: 2 HOURS

DAY: WEDNESDAY, 12:00 PM - 2:00 PM

DATE: 18/05/2022

INSTRUCTIONS:

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

SECTION A (40 - MARKS)

1. Discuss in details how nematodes cause injuries to plants. (8 marks)
2. Describe the economic importance of plant diseases. (8 marks)
3. Describe the fungi in the class oomycetes, which cause various plant/crop diseases. (8 marks)
4. Discuss the general characteristics of bacteria and outline the genera of phytopathogenic bacteria. (8 marks)
5. What do you understand by the term epidemics? Outline the important factors in plant epidemics. (8 marks)

SECTION B (30 - MARKS)

- 6) Outline the progress of the science of plant pathology. (15marks)
- 7) Plant diseases can be controlled biologically. Discuss this statement. (15marks)
- 8) Describe the symptoms of plant diseases under the three named major groups. (15 marks)