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**UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR**

**FOURTH YEAR FIRST SEMESTER
MAIN EXAMINATIONS**

FOR THE DEGREE OF BACHELOR OF SCIENCE

COURSE CODE: SBT 414

COURSE TITLE: PLANT PATHOLOGY

DATE: 14TH APRIL 2023

TIME: 9.00 – 11.00 AM

INSTRUCTIONS TO CANDIDATES

Answer question **ONE** [1] and **ANY** other **TWO** [2] questions

TIME: 2 Hours

Question 1

- a). **Define** the following terms as used in plant pathology.
- i). Inoculation (3 MARKS)
 - ii). Pathogen (3 MARKS)
 - iii) Infection (2 MARKS)
 - iv) Regulatory control (4 MARKS)
- b). **State** the conditions for successful infection (5 MARKS)
- c). **Give four** factors affecting nematode survival (4 MARKS)
- d). **State** three effects of pathogens on respiration (3 MARKS)
- d). **Name six** characteristics of nematodes (6 MARKS)

Question 2

Using **examples** discuss the stages of disease cycle (20 MARKS)

Question3

Explain the effects of pathogens on plant physiological processes (20 MARKS)

Question 4

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

Question 5

Discuss the biological methods of disease control in plants (20MARKS)