

**NATIONAL UNIVERSITY OF LESOTHO**

**FACULTY OF AGRICULTURE**

**B.Sc. AGRICULTURE EXAMINATIONS**

**CPS2507 – INTRODUCTION TO PLANT PATHOLOGY**

**SUPP EXAM**

**MARKS: 100**

**DATE: AUGUST 2023**

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**QUESTION 1 (25 Marks)**

- a. Draw the "disease triangle", correctly label it and describe the role played by each component in plant disease and epidemics development. [15]
- b. Differentiate between a symptom and a sign? Give an example for each [5]

**QUESTION 2 (25 Marks)**

- a) Describe the following plant pathology concepts (**3 points Each**)
1. Pathogen
  2. Pathogenesis
  3. Parasitism
  4. Host
  5. Infectious diseases
- b) Explain the process of secondary infection. [5]

**QUESTION 3 (20 Marks)**

Discuss disease development in plants

**QUESTION 4 (20 Marks)**

Write short notes on the following: (5 marks each)

- a) Classification of plant diseases.
- b) Levels of genetic resistance or susceptibility of the host
- c) Parasitism
- d) Effects of human cultural practices and control measures on development of epidemics.

**Question 5: (20 Marks)**

Describe the morphology and chemical composition of viruses.