

OBAFEMI AWOLOWO UNIVERSITY, ILE-IFE
M.SC./M.PHIL./PH.D. (PLANT SCIENCE)
FACULTY OF AGRICULTURE
RAIN SEMESTER EXAMINATIONS 1989/90 SESSION
PSC 642 - DISEASES OF TROPICAL CROPS

HEZEKIAH OLUWASEUNMI LIBRARY
RESERVED
UNIVERSITY OF IFE

SEPTEMBER, 1990

TIME ALLOWED: 3 HOURS

Answer ALL Questions.

1. Write concise notes on each of the following diseases:

- i) Downy mildew of maize
- ii) Frog eye disease of soybean
- iii) Groundnut rosette
- iv) Streak disease of tomato
- v) Grey leaf spot of tomato

your answer should include the causal organism, mode of spread/survival and control.

2. Distinguish between the following:

- i) Bacterial blight and bacterial pustule of soybean
- ii) Stem rot and pod rot of groundnut
- iii) Stem anthracnose and brown blotch of cowpea
- iv) Vascular wilt and Ganoderma trunk rot of oil palm
- v) Brown leaf spot and white leaf spot of cassava.

3. A farmer has brought a diseased plant to you. What steps, in logical sequence, would you take to identify the particular pathogen involved? How would the knowledge of the identity of the pathogen help you to suggest control measures against the disease?

4. Identify the most important environmental factors that influence the incidence and development of plant pathogenic diseases? In what ways are they important and how do they relate to the Nigerian plant disease situation?

5. Discuss the value of epidemiological information in the formulation of cultural control measures for the control of plant pathogenic diseases. Support your answer with carefully selected examples.

HEZEKIAH OLUWASEUNMI LIBRARY
RESERVED
UNIVERSITY OF IFE