

FEDERAL UNIVERSITY OF TECHNOLOGY, OWERRI
SCHOOL OF AGRICULTURE AND AGRICULTURAL TECHNOLOGY
DEPARTMENT OF CROP SCIENCE AND TECHNOLOGY
HARMATTAN SEMESTER EXAMINATION

Course code: CST 503

Session: 2019/2020

Title: Plant Pathology 1

Date: 17th February 2021

Time allowed: 3 hours.

Instructions: Answer four Questions

1(a) Briefly discuss factors that affect disease development.

(b) The survival of most plant pathogens requires the repeated infection of host plants. Discuss.

(c) List the conditions for an Epiphytotic.

2(a) Briefly explain how the population structure and density affect the development of disease in a plant community.

(b) Briefly explain the role moisture plays in plant disease development.

✓ 3. Discuss two (2) postharvest diseases of Banana under the following headings:

(a) Common name and Botanical name of Disease.

(b) Symptoms.

(c) Management practices.

4(a) Define cultural disease control. ✓

(b) Enumerate various ways plant diseases could be managed culturally.

5. Discuss extensively the effect of disease on the following host physiological processes (i) Respiration (ii) Photosynthesis (iii) Growth and development.

✓ 6(a) State the conditions necessary for a pathogen to infect a plant and discuss the chemical weapons utilized by pathogens in the infection process.

(b) List the various cell wall composition and the enzymes that degrade them.

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