



CRAWFORD UNIVERSITY

FAITH CITY, IGBESA, OGUN STATE

2016/2017 HARMATTAN SEMESTER EXAMINATIONS

COLLEGE: NATURAL AND APPLIED SCIENCES

DEPARTMENT: BIOLOGICAL SCIENCES

PROGRAMME: MICROBIOLOGY

COURSE CODE: MCB 407

COURSE TITLE: PLANT PATHOLOGY

COURSE UNIT: 2

TIME ALLOWED: 2 HOURS

SECTION A: ANSWER QUESTION 1 AND ANY OTHER *TWO* QUESTIONS

1. a. What is Plant Pathology?
 - b. Outline two main objectives of phytopathology.
 - c. List 10 contents of a field kit for plant disease sample collection
 - d. Give a brief description of the effect of infection on host (plant) physiology.
2. a. How will you define pathogenesis?
 - b. Give a concise account of the mechanism of infection in plant
3. What are the various morphological and biochemical defense mechanisms in plants? Discuss them with suitable examples.
4. a. Describe the basic techniques involved in plant pathology
 - b. Write an extensive note on Host pathogen relationship in plant pathology

SECTION B: ANSWER QUESTION 5 AND ANY OTHER *ONE* QUESTION

5. Briefly define the following terms in Plant Pathology:
 - (i) Pathogen (ii) Biotroph (iii) Virulence (iv) Inoculum (v) Symptoms (vi) Disease cycle (vii) Alternate host (viii) Necrotroph (ix) Physiologic race (x) Deficiency
6. State and explain at least six basic concept or principles lying under plant disease management.
7. A visible or detectable abnormality expressed on the plant as a result of disease or disorder is called symptom. Briefly discuss *five* different types of disease symptoms in plants.