



NATIONAL OPEN UNIVERSITY OF NIGERIA
DEPARTMENT OF CROP AND SOIL SCIENCE
FACULTY OF AGRICULTURAL SCIENCES
CRP303: PRINCIPLES OF CROP PROTECTION, EXAMINATION
2022_2 Examination

Instruction: Answer four questions in all; No. 1 is compulsory (25 Marks) and any other three questions (15 Marks each), 2 Credit Units

1. a. Briefly discuss insects pests (5 marks)
b. Discuss the five (5) classes under which insects are identified (15 marks)
c. Name any 5 disease symptoms due to character and appearance of visible pathogens (5 marks)
2. Briefly Explain any three(3) of the following Important insect pests of major crops
i. Maize aphid
ii. Leafhopper
iii. Millet stem borer
iv. African migratory locust
v. African rice gall midge
(5 marks each i.e. 15 marks)
3. a. Outline and briefly explain 5 approaches in controlling plant viral diseases (15 marks)
4. a. What are the 2 major disease causing pathogens of stored products (5 marks)
b. Describe five (5) ways of controlling diseases of stored products (10 marks)
5. a. Discuss rats, birds and nematodes as important animal pests of crops (15 marks)
6. a. Define weeds (3 marks)
b. Briefly explain the following effects of weeds on crops (12 marks)
i. Competition
ii. Chemical interactions
iii. Parasitic weeds