



NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
Km 4 Kaduna-Zaria Expressway Rigachikun, Kaduna
DEPARTMENT OF CROP AND SOIL SCIENCES

FIRST SEMESTER EXAMINATION_1, 2020

COURSE CODE: ACP 305

COURSE TITLE: PRINCIPLES OF CROP PROTECTION EXAMINATION

TOTAL CREDIT UNITS: 2CU

INSTRUCTIONS: Answer FOUR questions in all. Question one is compulsory (25 marks).
The rest carry 15 marks each.

TIME; 2.30 MINS

QUESTIONS

1. a. Define Pathogens? (2 marks)
b. List and explain 3 groups under which Pathogens are categorized (9 marks)
c. What are the 2 major disease causing pathogens of stored products (4 marks)
d. Discuss five (5) ways of controlling diseases of stored products (10 marks)
2. a. State any two definitions of pest and state 5 categories of it (9 marks)
b. List and briefly **discuss 3 general** control measures of crop pests (6 marks)
3. a. Briefly explain 5 important pests of **Cereal** Crops (10 marks)
b. Describe Boring insects (5 marks)
4. a. Discuss the following plant diseases (15 marks)
 - i. Rust
 - ii. Smuts
 - iii. Rice blast
5. Discuss five 5 damages caused by storage pests (15 marks)
6. Briefly explain the following categories of plant diseases (15 marks)
 - i. Endemic diseases
 - ii. Epidemic or epiphytotic diseases
 - iii. Infectious and non – infectious diseases