



**NATIONAL OPEN UNIVERSITY OF NIGERIA
DEPARTMENT OF CROP AND SOIL SCIENCE
FACULTY OF AGRICULTURAL SCIENCES
CRP303: PRINCIPLES OF CROP PROTECTION EXAMINATION**

SEPTEMBER, 2020 QUESTIONS

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

1. a. Define Microorganisms as causals of diseases? (2 marks)
b. List and explain 3 categories of disease causing organisms (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 **leguminous** 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