



**NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
CROP AND SOIL SCIENCES DEPARTMENT**

EXAMINATION: 2021_2 POP EXAMINATION

COURSE CODE: CRP303

COURSE TITLE: PRINCIPLES OF CROP PROTECTION (2CU)

TIME ALLOWED: 2HRS

INSTRUCTIONS: ANSWER THREE (3) QUESTIONS. QUESTION 1 IS COMPULSORY AND ANY OTHER TWO (2) QUESTIONS

QUESTIONS

Instruction: Answer three questions in all; No. 1 is compulsory (30 Marks) and any other two questions (20 Marks each)

1. Discuss five (5) deleterious effects caused by storage pests (10 marks)
 - b. Explain five (5) ways of controlling diseases of stored products (10 marks)
 - c. Write short notes on the following plant diseases (10 marks)
 - i. Plant Pathology
 - ii. Symptoms
 - iii. Pathogens
2.
 - a. Define the word " Plant disease" (5 marks)
 - b. Explain five (5) structural changes that occur in plants either internally or externally that is associated with the presence of pathogens (15 marks)
3.
 - a. What is Humidification? (5 marks)
 - b. State the causative agents of the following plant diseases and how they can be controlled (15 marks):
 - i. Ergot
 - ii. Stalk and ear rot
 - iii. Cassava bacterial blight
 - iv. Halo blight
 - v. Downy Mildew
4.
 - a. State five (5) ways that viral diseases can be controlled (5 marks)
 - b. Discuss the cultural method of controlling Nematodes (10 marks)
 - c. Mention five (5) preventive weed control methods in weed management (5 marks)