



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

EXAMINATION: 2021_2 POP EXAMINATION

COURSE TITLE: STORED PRODUCE PROTECTION

COURSE CODE: CRP 311

TOTAL SCORE: 70 MARKS

TIME ALLOWED: 2 hours

INSTRUCTION: Answer compulsory question 1 (30marks) and any Two questions (20 marks each)

Question1

- a). Explain how the listed cultural controls can check field to store transportation of pests
 - i. crop rotation or shifting cultivation
 - ii. tillage operations
 - iii. resistant or tolerate varieties
 - iv. legislative
- b) What is the difference between a contact and systemic herbicide?
- c) State the guideline for transporting pesticides?
- d). Briefly explain factor to be modified/controlled in the bid to achieve an efficient storage of produce.

Q2.

- a). Explain the term pest
- b). Explain the term diseases
- c). Describe the nature of damages done by pests to stored produce
- d). List 3 classes of organisms that can cause degradation to stored produce
- e). Identify any five (5) types of storage structures **(20MARKS)**

Q3.

- a). What are the principal reasons why grains should be stored? **(5MARKS)**
- b). Describe storage Insects pests on the basis of their feeding habit **(5MARKS)**
- c). List at least five characteristics of insects that make the organism an efficient storage pest. **(5MARKS)**

Q4

- a). What are some of the important things to keep in mind and do when transporting a pesticide? Why should you practice these techniques? **(10MARKS)**
- b. Describe what type of building pesticides should be stored in. **(5MARKS)**
- c. Describe three of the six different methods of control? **(5MARKS)**