



**NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
DEPARTMENT OF CROP AND SOIL SCIENCE
2024 1 EXAMINATION**

COURSE TITLE: STORE PRODUCE PROTECTION (2CU)

COURSE CODE: CRP 311

TOTAL SCORE: 70 MARKS

INSTRUCTION: Answer 3 questions in all

Question 1 is compulsory (30 marks) and any other TWO questions (20 marks each)

TIME ALLOWED: 1 ½ Hours

1. a. Explain pesticide poisoning.(10 marks)
b. Describe the three(3) types of pesticide poisoning.(12 marks)
c. State the need for immediate first aid for pesticide poisoning and outline four(4) of such first aid approaches.(8 marks)
2. a. Define thermal fogging and explain the following: i.benefits/uses ii.types of chemical formulations for fogging.b.list problems associated with thermal fogging(14 marks)
b. State three(3) implications of contaminated produce/products.(6 marks)
3. a. Synthetic chemicals are very useful but have negative impacts on the environment,humans and other living things.Outline and explain five(5) properties of pesticides users must know to enhance judicious pesticide choice and use.(15 marks)
b. What is the meaning of a pesticide active ingredient. Name an insecticide and its active ingredient.(5 marks)
4. a. Briefly explain the three(3) groups of insecticides based on their mode of entry(ways they penetrate into the body of insects).(6 marks)
b. Briefly write on physical insecticides.(5 marks)
c. Explain three(3) ways insect pests infestation can be reduced in the field (on maturing crops) since the quality of storage depends on the produce entering storage.(9 marks)