



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**University Village, Nnamdi Azikiwe Expressway, Plot 91, Cadastral Zone, Jabi,**  
**Abuja**  
**Faculty Agricultural Sciences**  
**DEPARTMENT OF CROP AND SOIL SCIENCES**  
**2020\_2 EXAMINATION**

**COURSE TITLE: STORED PRODUCE PROTECTION**

**COURSE CODE: CRP 311**

**TOTAL SCORE: 70 MARKS**

**TIME ALLOWED: 3 hours**

**INSTRUCTION: Answer compulsory question 1 (25marks) and any THREE questions (15 marks each)**

**QUESTION 1**

- a) Differentiate between stored produce and stored products.
- b) Mention five (5) reasons why we need to store agricultural produce.
- c) List any five storage structures.

**QUESTION 2**

- a) Mention four (4) problems of pesticides use.
- b) Mention three groups of insecticides used in storage
- c) List three ways in which insecticides penetrate the bodies of insects

**QUESTION3**

- a) Describe three signal words that are used to express pesticide toxicity.
- b) Name two types of pesticide toxicity.
- c) Mention four (4) control techniques for stored produce pests.

**QUESTION4**

- a) Name two commonly used fumigants in stored produce protection
- b) Mention four (4) factors that affect droplet sizes.
- c) Name three types of pesticides application nozzles.
- d) Name four (4) major routes through which pesticides reach the water

**QUESTION5**

- a) List five (5) methods used in application of pesticides to stored produce
- b) Give two (2) examples of pesticides used for each method listed above
- c) Name 3 major components of a sprayer
- d) Mention four (4) ways in which you can reduce pesticide residues on food.

## **QUESTION6**

- a) Name two stages of pesticides application based on crop growth status
- b) Mention three possible reasons for spray inefficiencies.
- c) Mention three (3) ways in which pesticides affect the environment
- d) What is pesticide residue?