



NATIONAL OPEN UNIVERSITY OF NIGERIA
SCHOOL OF AGRICULTURAL SCIENCES
STORED PRODUCE PROTECTION (CRP. 311) JANUARY 2018
END OF COURSE EXAMINATION

INSTUCTION:

- i) Answer at least one question from each section compulsorily.**
- ii) Answer four questions in all.**
- iii) Time allowed 2 ½ hours**

SECTION A

Question 1

- (a) Differentiate between stored produce and stored products. (5 marks)
- (b) Mention five (5) reasons why we need to store agricultural produce. (5 marks)
- (c) List any 4 organisms that can cause problems in the store. (4 marks)
- (d) Name five types of exposures to pesticides (5 marks)
- (e) Mention six symptoms of pesticides poisoning (6 marks)

SECTION B

Question 2

- (a) List the 3 advantages and 2 disadvantages of pesticides usage.(5 marks)
- (b) Mention six alternatives to pesticide control in the store. (6 marks)
- (C) Mention four groups of insecticides used in storage (4 marks)

Question 3

- a) List three ways in which insecticides penetrate the bodies of insects.(3 marks)
- b) Explain the different methods of pesticides application (5 marks)
- c) Give examples of pesticides that could be used for each method explained in 'c' above (7 marks)

Question 4

- a)
 - (i)Mention three signal words that are used to express pesticide toxicity (3 marks) and
 - (ii)Name two types of pesticide toxicity (2 marks).
- b) List 5 Factors affecting movement of pesticides droplets (5 marks)
- c) List 5 types of pesticides formulations (5 marks)

Question 5

- a) Mention five control techniques for stored produce pests and describe any two (7 marks)
- b) Name three commonly used fumigants in stored produce protection (3 marks)
- c) List 5 Chemical Origins and Composition (5 marks)

Question 6

- a) List any five:
 - i) methods used in application of pesticides to stored produce (5 marks)
 - ii) and discuss any three (3 marks)

- b) List any 2 mode of entry/action(2 marks)
- c) Mention five precautions for handling pesticides.(5 marks)