



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

**EXAMINATION: 2021\_1 POP EXAMINATION**

**COURSE CODE: CRP303**

**COURSE TITLE: PRINCIPLES OF CROP PROTECTION**

**INSTRUCTIONS: ANSWER FOUR (4) 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. List three (3) general control measures of crop pests and explain any one (1) (5 marks)
  - b. Explain five (5) ways of controlling diseases of stored products (10 marks)
  - c. Write short notes on the following plant diseases (15 marks)
    - i. Endemic diseases
    - ii. Epidemic or epiphytotic diseases
    - iii. Infectious and non – infectious diseases
  
2.
  - a. What are pathogens? (2 marks)
  - b. Write incisively on three (3) categories of pathogens (9 marks)
  - c. Describe the following plant diseases:
    - i. Smut
    - ii. Scab
    - iii. Blotch (9 marks)
  
3.
  - a. How do Boring insects affect plant growth? (5 marks)
  - b. Explain five (5) general methods of crop pest prevention and control (15 marks)
  
4.
  - a. Briefly explain five (5) important pests of **cereal** crops (10 marks)
  - b. Give a detailed description of Cowpea bruchid *allosobruchus maculates* (10 marks)