



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**91, CADASTRAL ZONE, UNIVERSITY VILLAGE, JABI, ABUJA**  
**FACULTY OF AGRICULTURAL SCIENCES**  
**DEPARTMENT OF CROP AND SOIL SCIENCES**  
**2020\_2 EXAMINATION ...**

**CRP 303: PRINCIPLES OF CROP PROTECTION**

**Instruction: Answer four questions in all; No. 1 is compulsory (25 Marks) and any other three questions (15 Marks each), 2 CU**

1. a. What do you understand by the term “Biological Change”? (5 marks)  
b. Explain five (5) major ecological reasons why an organism develops into pest status (15 marks)  
c. How does favourable climatic conditions encourage pests multiplication (5 marks)
2. a. Explain the following with at least one (1) example in each case (15 marks)
  - i. key pest
  - ii. minor pest
  - iii. occasional pest
  - iv. potential pest
  - v. migrant pest
3. Discuss the classes of insects under the following (15 marks)
  - i. Class insecta
  - ii. Class arachnida
  - iii. Class chilopoda
  - iv. Class diplopoda
  - v. Class crustacea
4. Discuss the three (3) major categories of damages by insect pests (15 marks)
5. a. Briefly explain nematodes as plant parasites (5 marks)  
b. Describe five (5) control measures of nematodes in plants (10 marks)
6. Mention the botanical names of the following weeds (15 marks)
  - i. Tridax
  - ii. Siam weed
  - iii. Elephant grass
  - iv. Stubborn weed
  - v. Goat weed