



**NATIONAL OPEN UNIVERSITY OF NIGERIA**

**Faculty of Agricultural Sciences**

**Department of Crop & Soil Science**

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**ACP - 305: PRINCIPLES OF CROP PROTECTION [2 CREDITS]**

**INSTRUCTIONS:** Answer four questions in all. Question one is compulsory and it carries 25 marks. The rest carry 15 marks each.

**TIME ALLOWED 2 HOURS**

1. a. Define crop pest (5 Marks)  
b. Discuss the following damages caused by insect pest
  - i. Biting and chewing (5 Marks)
  - ii. Piercing and sucking (5 Marks)
  - iii. Boring (5 Marks)  
c. Explain the Cultural weeds management systems (5 Marks)
2. What are the damages done to crop by rodents and birds? (15 Marks)
3. List all the direct effects of weeds on crop and discuss all in details (15 Marks)
4. What are the general precautionary measures for control of pests in stored products? (15 Marks)
5. Discuss the general control methods of plant diseases: cultural, biological and chemical methods (15 Marks)
6. List all the categories of storage pests and explain each one (15 Marks)