

**FEDERAL UNIVERSITY OF TECHNOLOGY, OWERRI
SCHOOL OF AGRICULTURE AND AGRICULTURAL TECHNOLOGY
DEPARTMENT OF CROP SCIENCE AND TECHNOLOGY
2018/2019 Rain Semester Examination**

Course code: CST 508: Course Title: Crop Pest and their control

Time allowed: 3 hrs.

Instructions: Answer only five Questions.

1. Understanding pesticide mode of action would help in timely application for effective result. Discuss
- 2(a) Toxicologically, pesticides are categorized in different forms. Briefly state and discuss these forms.
- (b) With appropriate illustration, explain the term LD_{50} / LC_{50} .
- 3(a) As a student of entomology, discuss the functions of at least six (6) Instruments needed for field collection of insects.
- (b) Explain the economic importance of (six) 6 important orders of insects with relevant examples.
- 4(a) Explain clearly the activities involved in killing, mounting and preservation of insects pests collected from the field.
- (b) According to your group, name eight (8) insect pest, the host plant and the nature of their mouthparts.
- 5(a) Name and discuss five (5) prominent household pests and their control.
- (b) Botanicals have shown to be potential alternatives to synthetic chemical control. Discuss.
- 6(a) Entomophagy is a form of "Biological control". Do you agree? Concisely define the term "Entomophagous insects".
- (b) Define and differentiate the following: (i) Parasites (ii) Predators and (iii) Parasitoids from each other. Which of them is best for biological control and why?
- (c) The agronomic practice of adding soil amendments to the soil is a very useful insect pest control measure. How may this be accomplished? Which would you prefer, physical control measures or the use of soil amendments in the control of insects? Why?