"Investing in Africa's Future"

College of Health, Agriculture and Natural Sciences

ACP 504 INSECT PEST MANAGEMENT

MSc Crop Production Weekend Programme

END OF FIRST SEMESTER EXAMINATIONS

NOVEMBER/DECEMBER 2017

LECTURER: W. MANYANGARIRWA

DURATION: 3 HOURS

INSTRUCTIONS

1. **READ QUESTIONS CAREFULLY BEFORE YOU ANSWER**
2. **ANSWER QUESTION 1 AND ANY THREE OTHER QUESTIONS**

ACP 504 INSECT PEST MANAGEMENT

MSC CROP PRODUCTION WEEKEND PROGRAMME

ANSWER QUESTION 1 AND ANY THREE OTHER QUESTIONS.
EACH QUESTION IS WORTH 25 MARKS

COMPULSORY QUESTION

1. Give a concise outline of the major insecticide groups used in insect pest management. In you answer include the mode of action and cite practical examples where specific insecticides are used. [25]

OPTIONAL QUESTIONS
ANSWER ANY THREE QUESTIONS

2. With the aid of appropriate examples, discuss in detail some of the successful biological control agents that are used in pest management. [25]

3. Outline the main ways in which insects develop resistance to different insecticides and suggest ways in which crop managers can minimize the development of insect resistance to insecticides. [25]

4. As a diligent farm manager, give a concise outline of insecticide formulations and the appropriate equipment that can be used to apply these in the field. [25]

5. Outline in detail the insect pest spectrum in a crop that you have studied in detail. In your answer illustrate the value of Integrated Pest Management in managing the insect pests. [25]

6. Write an essay on, "Prospects of improving Pest Management through Genetic Engineering." [25]

End of Question Paper