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COLLEGE OF HEALTH, AGRICULTURE AND NATURAL SCIENCES

ACP 303: ENTOMOLOGY

BSC AGRICULTURE AND NATURAL RESOURCES

END OF FIRST SEMESTER EXAMINATIONS

NOVEMBER 2019

LECTURER: WALTER MANYANGARIRWA

DURATION: 3 HRS

INSTRUCTIONS

ANSWER ANY FOUR QUESTIONS

EACH QUESTION IS WORTH 25 MARKS

Write legibly

INSTRUCTION

ANSWER ANY FOUR QUESTIONS

1. Insect legs are adapted for different functions and niches. With the use of neat diagrams, illustrate the different types of leg adaptations giving examples of insects in which they occur. [25]

2. For a crop that you have studied in detail, give an outline of the major insect pests and the possible pest control measures that a farm manager can implement. [25]

3. Outline the factors that have contributed to the success of insects in different ecosystems. [25]

4. Define the concept of Integrated Pest Management (IPM). With the use of appropriate examples, outline the main components of IPM. [25]

5. With the use of specific examples, discuss the benefits derived from insects and insect activity. [25

6. Discuss ways in which farmers and rural communities can **conserve** insects for their own benefit. [25]

7. Discuss the importance of diapause, polymorphism and mimicry in Insect Physiology and Ecology. [25]

END OF EXAMINATION PAPER