



"Investing in Africa's Future"

COLLEGE OF HEALTH, AGRICULTURE & NATURAL SCIENCES

ANR 306 COMMUNITY BASED NATURAL RESOURCE

END OF FIRST SEMESTER EXAMINATIONS

NOVEMBER/DECEMBER 2017

LECTURER: MRS Z FURUSA

DURATION: 3 HOURS

INSTRUCTIONS

1. Do not write your name on the answer sheet

2. Use Answer Sheets Provided

3. Begin your answer for Each Question on a New Page

4. Credit is Given for Neat Presentation

Answer any four (4) questions of your choice

1. Community based natural resource management is aimed at improving livelihoods. Discuss. (25marks)
2. Explore how the following institutions contribute or impede management of natural resources,
 - a) Government, (5marks)
 - b) NGOs, (5marks)
 - c) Local businesses, (5marks)
 - d) Donors and (5marks)
 - e) The public. (5marks)
3. Explain why many natural resource management initiatives have not been very successful. (25marks)
4. Indigenous knowledge is as important as modern science in natural resource management. Elaborate. (25marks)
5. Identify a resource and discuss how a community of your choice is managing that resource. (25marks)
6. Critically analyze the role of globalization in the management of natural resources. (25marks)
7. Many countries of low income suffer resource conflict. Giving examples discuss what resource conflict is and how it is an impediment to proper community based natural resource management.

The End

ACP 303 ENTOMOLOGY

FINAL EXAMINATION

INSTRUCTION

ANSWER QUESTION 1 AND ANY THREE OTHER QUESTIONS

1. a) You have been assigned to teach first year students about the insect gut and nervous system. Describe the procedure you would follow in the laboratory, paying attention to the potential insect specimens that you can use and the equipment that is required. [13]
b) From the insect collection that you have made at AU campus, list the five major insect orders in terms of their abundance [2]
c) Describe the principle of scouting for crops pests and explain why it is important to scout before spraying. [10]
2. With reference to citrus OR cut-flowers, describe the sequence of insect pest attack and show how Integrated Pest Management measures are used in controlling insect pests of the crop. [25]
3. Insect legs are modified for different functions. Give a detailed description of the different insect leg modifications giving examples of insects with each leg type. [25]
4. Give a detailed outline of the factors that have contributed to the success of insects in the Kingdom Animalia. [25]
5. Outline the advantages and disadvantages of using chemical insecticides for pest control in agriculture. [25]
6. a) With the use of clear and well labelled illustrations, draw FIVE different types of insect antennae used in insect classification. [15]
b) With reference to insect ecology, write short notes on any TWO of the following aspects; diapause, mimicry, polymorphism. [10]

End of Exam Paper