

**W1-2-60-1-6**

## JOMO KENYATTA UNIVERSITY

**OF**

**AGRICULTURE AND TECHNOLOGY**

# University Examinations 2014/2015

**YEAR I SEMESTER II EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURE, BACHELOR OF SCIENCE IN HORTICULTURE AND BACHELOR OF SCIENCE IN ENVIRONMENTAL HORTICULTURE AND LANDSCAPE TECHNOLOGY**

**AHS 2202: AGRICUTLRAL ENTOMOLOGY**

**DATE: APRIL 2015 TIME: 2 HOURS**

**INSTRUCTIONS: ANSWER ALL QUESTIONS.**

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(1) What do you understand by the following terms used in entomology?

i) Instar (2 marks)

ii) omatidia (2 marks)

iii) Cibarium (2 marks)

iv) Polyembryony (2 marks)

v) Bursa copulatrix (2 marks)

(2) Criticize the notion of some people that “Only a dead insect

is a good insect” (10 marks)

(3) Discuss exoskeleton clearly highlighting its major

functions in arthropods. (10 marks)

(4) Account for the biological success of insects stating

evidence and reasons. (10 marks)

(5) Antennae are important structures of an insect. Discuss the types and functions of insects. (10 marks)

(6) Discuss the circulatory system of insects. (10 marks)

(7) Discuss the major parts of the dissecting microscope and

state their functions. (10 marks)

(8) Describe how you would set up a trap for catching fruit flies.(15 marks)

(9) Discuss aphids in terms of classification, appearance and

crop injury. (15 marks)