

CHUKA

UNIVERSITY



UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DIPLOMA IN WILDLIFE
MANAGEMENT

DWLM 0141: ENTOMOLOGY FOR WILDLIFE

STREAMS: DWLM (Y1S2)

TIME: 2 HOURS

DAY/DATE: TUESDAY 09/04/2024

2.30 P.M. – 4.30 A.M.

INSTRUCTIONS

- Answer all questions in Section A and any two questions in Section B
- Do not write on the question paper

SECTION A (30 marks)

1. Describe the main features used in insect identification. (5 marks)
2. Using examples, describe FIVE organisms that are easily confused for insects. (5 marks)
3. a) With examples, briefly explain the difference between complete and incomplete metamorphosis in insects. (4 marks)
b) Name two types of insect behaviour. (1 mark)
4. a) Define Eusocial in insects. (1 mark)
b) Describe FOUR defining characteristics for eusocial species. (4 marks)
5. a) Briefly define co-evolution between an insect and plant prey. (1 mark)
b) With examples, describe TWO adaptations of insect herbivore to evade plant defenses. (4 marks)
6. a) Briefly define a lifetable in relation to insects. (1 mark)
b) Describe FOUR importance of a lifetable in entomology. (4 marks)

SECTION B (40 marks)

7. Discuss the following:
 - a) Reproduction in insects (10 marks)
 - b) Feeding in insects (10 marks)
 8. With named examples of insect species, describe the ecosystem services provided by insects. (20 marks)
 9. Using examples, discuss insects under the following headings:
 - a) Economic importance of insects. (10 marks)
 - b) Harmful insects (10 marks)
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