



MAASAI MARA UNIVERSITY

UNIVERSITY EXAMINATIONS 2018/2019

THIRD YEAR END OF FIRST SEMESTER

EXAMINATIONS

SCHOOL OF SCIENCE AND INFORMATION SCIENCES

FOR

BACHELOR OF SCIENCE

ZOO 420: MEDICAL/VERTERINARY ENTOMOLOGY

DATE: 25TH APRIL, 2019

TIME: 11:00 - 13:00HRS

INSTRUCTIONS TO CANDIDATES

1. Answer all the questions in **SECTION A** and **ANY TWO** questions from section B.
2. Illustrate your answers with suitable diagrams and give examples wherever necessary.

SECTION A: 30 MARKS

1. Explain the mode of action of chemical insecticides (3 marks)
2. Outline the taxonomy of the major insect vectors (3 marks)
3. Explain the phenomenon of adenotrophic viviparity and its occurrence. (3 marks)
4. Describe briefly the composition and functions of the insect exoskeleton (3 marks)
5. Explain the term entomophagy and give three examples(3 marks)
6. Give a brief account of the morphology and occurrence of sucking lice
7. Describe the distinguishing characteristics of fleas. (3 marks)
8. Explain three principal characteristics distinguishing anopheline and culicine mosquitoes. (3 marks)
9. Explain the bases of insect allergies. (3 marks)
10. Describe briefly the transmission of yellow fever arbovirus. (3 marks)

SECTION B: 40 MARRKS

11. Discuss insects as indicators of human abuse. (20 marks)
12. Discuss four different insect collection techniques (20 marks)
13. Give an account of the biology and behavior of adult Anopheles mosquito. (20 marks)
14. "Most of the protozoan diseases are transmitted by arthropods"
Discuss this statement. (20 marks)

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