



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATION**

**2017/2018 ACADEMIC YEAR**

**SCHOOL OF SCIENCE AND INFORMATION SCIENCES**

**FOURTH YEAR SECOND SEMESTER EXAMINATIONS**

**FOR**

**THE DEGREE OF BACHELOR OF SCIENCE**

**COURSE CODE : ZOO 420**

**COURSE TITLE: MEDICAL & VETERINARY ENTOMOLOGY**

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**DATE: 23<sup>RD</sup> APRIL 2018**

**TIME: 1100 - 1300 HRS**

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## **INSTRUCTIONS**

- (a) Answer **ALL** questions in **Section A** and **ANY TWO** in **section B**
- (b) Illustrate your answer with well labeled diagrams where appropriate.

**SECTION A: ANSWER ALL QUESTIONS (30MARKS)**

1. Explain the medical importance of cockroaches (3 marks)
2. Explain the chemical control of three arthropods of medical importance. (3 marks)
3. Outline three ectoparasites of animals. (3 marks)
4. Describe three beneficial insects and their uses (3 marks)
5. Outline three general control methods of arthropods (3 marks)
6. Briefly describe the economic importance of the Diptera (3 marks)
7. Describe the morphology and feeding behavior of Anoplura (3 marks)
8. Describe the basic mouth parts of an insect (3 marks)
9. Explain the uses of insects as human food (3 marks)
10. Describe reproduction in tsetse flies. (3 marks)

**SECTION B: ANSWER ANY TWO QUESTIONS (40 MARKS)**

11. Discuss the classification of Arthropoda. (20 marks)
12. Discuss insect collection techniques (20 marks)
13. Discuss the life cycle and economic importance anopheline mosquitoes (20 marks)
14. Give an account of the structure and functions of the exoskeleton of insects (20 marks)

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