



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY
EXAMINATIONS**

**2018/2019 ACADEMIC YEAR
THIRD YEAR SECOND SEMESTER**

**SCHOOL OF SCIENCE AND INFORMATION
SCIENCES**

**BACHELOR OF SCIENCE WILDLIFE
MANAGEMENT**

**COURSE CODE: WRM 3204
COURSE TITLE: ENTOMOLY FOR
WILDLIFE**

DATE: 25TH APRIL, 2019
1030HRS

TIME: 0830 -

INSTRUCTIONS TO CANDIDATES

- a) Answer **ALL** questions in section **A** and **any two** questions in section **B**
- b) Illustrate your answers with suitable diagrams and give examples wherever appropriate.

SECTION A: Answer ALL questions in this section. Each question carries 3marks

- 1.** State the general characteristics of insects.
(3marks)
- 2.** Distinguish between apterygota and pterygota. (3marks)
- 3.** Describe the structure of epicuticle. (3marks)
- 4.** State the characteristics of insect predators in an ecosystem.
(3marks)
- 5.** Explain caste system in a named social insect. (3marks)
- 6.** Describe the life cycle of mites. (3marks)
- 7.** List different types of life tables in insect life cycle.
(3marks)
- 8.** Explain threats to insect biodiversity. (3marks)
- 9.** Describe how ticks can be collected from vegetation. (3marks)
- 10.** Categorize insects according to their nutritional requirements.
(3marks)

SECTION B: Answer Any Two Questions Each question carries 20 marks

11. Insects are amongst the most successful terrestrial animals.
Justify this statement.

(20marks)

12. Explain the commercial value of insect and their products
(20marks)

13. Describe the effects of abiotic factors on Insect Population.
(20marks)

14. Explain the distinguishing characteristics of Ixodidae (hard
ticks) and argasidae (soft ticks).

(20marks)

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