



**MAASAI MARA UNIVERSITY**  
**UNIVERSITY EXAMINATION 2022/2023**  
**SCHOOL OF SCIENCE AND INFORMATION SCIENCES**  
**THIRD YEAR SECOND SEMESTER EXAMINATIONS**  
**FOR THE DEGREE OF BACHELOR OF SCIENCE WILDLIFE**  
**SERVICE**  
**COURSE: *WRM 3224* COURSE TITLE: *ENTOMOLOGY FOR***  
***WILDLIFE***

<b><u>DATE</u></b>	<b><u>TIME</u></b>	<b><u>DURATION</u></b>
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**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. Explain tagmatization and identify distinctive tagmata in the class insecta. (3 Marks)
3. State the General characteristics of Sub-class pterygote. (3 Marks )
4. State the general characteristics of social insects. (3Marks)
5. Explain the commercial value of insect. (3marks)
6. Describe the life cycle of ticks. (3Marks)
7. Explain two techniques employed in collection of insects in the field. (3marks)
8. Explain Biochemical adaptation of insects against environmental stress. (3marks)
9. Explain Biochemical adaptation of insects against environmental stress. (3marks)
10. Describe three types of sense organs in hexapods. (3marks)

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

11. Insects are amongst the most successful terrestrial animals. Justify (20marks)
12. Describe the effects of biotic factors on Insect Population. (20marks)
13. Discuss the distinguishing characteristics, life cycle, distribution and control measures of Tsetse-fly (*Glossina Sp*). (20 marks)
14. Write an essay on the types, Methods of data Collection and uses of life tables in insect. (20marks)