



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2016/2017

**FIRST YEAR SECOND SEMESTER EXAMINATION FOR THE
DEGREE OF BACHELOR OF SCIENCE IN AGRONOMY,
HORTICULTURE & SOIL SCIENCE WITH INFORMATION
TECHNOLOGY**

MAIN CAMPUS

AHC 102: BASIC ENTOMOLOGY

Date: 22nd June, 2017

Time: 8.30 - 11.30am

INSTRUCTIONS:

- Answer ALL Questions
- Do not use any example given in this paper or otherwise more than once in answering the questions.



TOTAL MARKS 70%

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1. Give a relevant example of the following Arthropods: Arachnida, Diplopoda and Chilopoda (3 marks)

 2. Account, with two relevant examples in each case, the role played by the following orders in agriculture Odonata, Isoptera, Hemiptera, Thysanoptera, and Diptera (10 marks)
 3. Explain, with at least seven examples, different structures of the insects' mouthparts and their importance in human life (10.5 marks)
 4. Using, six examples from the legs, verify how insects are uniquely different from other Animals (6 marks)
 5. Briefly describe the digestive systems of insects (3 marks)
 6. Explain the process of insects' homometabolous development(6 marks)
 7. Insects' continually feed, account for this point (4 marks)
 8. Several types of antennae are used in communication, discuss. (3 marks)
 9. Account for the wing structure, in at least five, of insects' orders encountered in Agriculture (7.5 marks)
 10. Give a detailed illustrated diagram of *Schistocerca gregaria* (Locust) (8.0 marks)
 - 11 Give Account with example, of any ten economic importance of the class Insecta (10 marks)
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