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University Examinations 2023/2024

FIRST YEAR SECOND SEMESTER EXAMINATION FOR THE DEGREE OF MASTER OF
SCIENCE IN ENTOMOLOGY

SZB 5104: VECTOR BIOLOGY AND CONTROL

DATE: DECEMBER 2023

TIME: 3 HOURS

INSTRUCTIONS: Answer question *one* and any other *two* questions

QUESTION ONE (30 MARKS)

Using relevant examples discuss the role of following towards control of mosquitoes

- a) Cytoplasmic incompatibility (3 marks)
- b) Larval source management (5 marks)
- c) Sugar baits (3 marks)
- d) Microbial community (5 marks)
- e) Community engagement (4 marks)

QUESTION TWO (20 MARKS)

Discuss tactics used in control of bedbugs and fleas at household level (20 marks)



MUST is ISO 9001:2015 and



ISO/IEC 27001:2013 CERTIFIED

QUESTION THREE (20 MARKS)

Using examples write short notes on ticks and control of their diseases (20 marks)

QUESTION FOUR (20 MARKS)

Compare and contrast parasite life cycles and disease transmissions of human and animal trypanosomiasis and malaria



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