



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR MASTER'S IN PUBLIC HEALTH AND MASTER
OF BIOMEDICAL SCIENCES (MEDICAL ENTOMOLOGY)
1st YEAR 2nd SEMESTER 2023/2024 ACADEMIC YEAR
MAIN/KISUMU

COURSE CODE: HME 5122

COURSE TITLE: VECTOR CONTROL

EXAM VENUE:

DATE:

TIME: 3.00 HOURS

Instructions:

- 1. Question 1 is compulsory then answer any other 3 the questions.**

Instruction: Answer Question ONE and ANY other THREE Questions

1. Discuss the considerations in selecting appropriate control measures against vectors of disease. Distinguish between measures offering adequate protection from disease and ones that are not sufficient on their own. (15 marks)
2. Describe the some important characteristics of netting material that would optimize effectiveness when used in Long Lasting Insecticide Nets for control of a wide range of vectors of disease. (15 marks)
3. Compare the various chemicals that would be most suitable to incorporate in fabrics and otherwise for control of adult dipterans of medical importance.. (15 marks)
4. Describe how larvicides may be utilized variously on a small and scale to kill immature stages of vectors. Include advantages and disadvantages of the use of these chemicals (15 marks)
5.
 - a).What are the unique features of the various larvicide formulations?
 - b).Which synthetic organic larvicides are most appropriate in places with high faunal diversity?
 - c). Briefly compare the various larvicide formulations. (15 marks)
6. Describe the alternative larvicides with relatively low toxicity to mammals, birds, fish and adult insects and other arthropods which are not be of medical importance. (15 marks)