

## MASENO UNIVERSITY **UNIVERSITY EXAMINATIONS 2013/2014**

SECOND YEAR FIRST SEMESTER EXAMINATIONS FOR THE DEGREE OF BACHELOR OF SCIENCE IN MEDICAL LABORATORY SCIENCES WITH INFORMATION TECHNOLOGY

(CITY CAMPUS - EVENING)

PMT 225: MEDICAL ENTOMOLOGY AND VECOR SCIENCES

Date: 10th April, 2014

Time: 5.30 - 7.30 p.m.





#### PMT 225: MEDICAL ENTOMOLOGY AND VECTOR SCIENCES 2 HOURS

#### 70 MARKS

ALL QUESTIONS from this section.

Q1.Name and briefly define three kinds of inviasis

5 Marks

Q2. What characteristics are typical of the order Directa?

**SMarks** 

- Q3. Outline and explain three entomological fectors affecting malaria transmission by adult female anopheles mosquitoes
- Q4. Contrast the resting and feeding position of larvae of Culex and those of Anopheles

4 marks

- Q5. What forms of filariasis are transmitted by insects other than mosquitoes? 6 Marks
- Q6. What type of terrain is usually associated with the vectors mentioned in question 5 above?

4 Marks

Qi.Outline four (4) arboviral infections of humans, and for each one, mention the vector involved and effective method of its control

of diagrams, describe the typical eggs of Anopheles, Culex and Aedes species of

### SECTION B (30 MARKS)

# ER ANY THREE QUESTIONS FROM THIS SECTION. EACH QUESTION IS 10

ER ANY THREE QUESTION	MARKS.
iscuss the importance of collect	tion and counting of vectors.
Contrast the biology and contr	ol of Glossina species and Triatoma species
rector control	nmental modification and environmental manipulation as used
<ol> <li>Using one named example e vector's behavior and ecolo ontrol methods.</li> </ol>	e of a genus of disease vector, describe how knowledge about gy is used in the design of control interventions. Mention the