



MERU UNIVERSITY COLLEGE OF SCIENCE & TECHNOLOGY

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University Examinations 2012/2013

SECOND YEAR, SECOND SEMESTER EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE IN PUBLIC HEALTH

IPH 2212: MEDICAL ENTOMOLOGY

DATE: DECEMBER 2012

TIME: 2 HOURS

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

QUESTION ONE - (30 MARKS)

- a) Define the following terms:
 - i. Anthropophagic (2 Marks)
 - ii. Endophagic (2 Marks)
 - iii. Hemimetabolous (2 Marks)
 - iv. Ovoviviparous (2 Marks)
- b) List three species of lice that infest man. (3 Marks)
- c) Write briefly on flies and myiasis. (5 Marks)
- d) Name two species of bedbugs and outline three morphological features. (5 Marks)
- e) State the public health importance of *Mosca domestica* (3 Marks)
- f) Outline the medical importance of mites. (6 Marks)

QUESTION TWO – (20 MARKS)

- a) List two groups of tsetse flies and briefly describe their distribution. (4 Marks)
- b) Describe four methods of tsetse control (16 Marks)

QUESTION THREE – (20 MARKS)

- a) Write short notes on the life cycle of *Tunga penetrans*. (5 Marks)
- b) Outline the control of fleas. (5 Marks)
- c) Discuss the public health importance of fleas. Use examples. (10 Marks)

QUESTION FOUR – (20 MARKS)

a) Using examples, briefly describe the following:

i. One host tick

ii. Two host tick

iii. Three host tick

(6 Marks)

b) Explain the medical importance of ticks.

(14 Marks)