



Technical University of Mombasa

Faculty of Applied and Health Sciences

DEPARTMENT OF ENVIRONMENT AND HEALTH SCIENCES

DIPLOMA IN COMMUNITY AND HEALTH

(DCH 13M)

APH 2107 : ENTOMOLOGY, VECTOR AND PEST CONTROL

SUPPLEMENTARY/SPECIAL: EXAMINATIONS

SERIES: MARCH 2014

TIME: 2 HOURS

INSTRUCTIONS:

You should have the following for this paper

- *Answer booklet*

This paper consists of **FIVE** questions.

Answer Question **ONE (compulsory)** and any other **TWO** questions

QUESTION ONE

- a) Describe the use of natural enemies as a way of rodent control. **(4 marks)**
- b) List four common rodent-borne diseases **(4 marks)**
- c) Describe ways in which arthropods become medically important **(5 marks)**
- d) Describe the link between jigger infestation and HIV/AIDS **(4 marks)**
- e) Outline four effects of jigger attack **(4 marks)**
- f) State five ways through which pathogens transmitted by rodents may enter the human body **(5 marks)**
- g) List the common rodents found in your county **(4 marks)**

QUESTION TWO

- a) Outline the medical importance of blow flies **(7 marks)**
- b) Describe food source isolation as strategy for bedbug control **(8 marks)**

QUESTION THREE

Describe the control and management of sandflies **(15 marks)**

QUESTION FOUR

- a) Discuss measures for prevention and control of plague caused by fleas **(10 marks)**
- b) Suggest preventive measures for jigger fleas **(5 marks)**

QUESTION FIVE

Discuss the various ways in which a person may get infested by bedbugs **(15 marks)**