



TECHNICAL UNIVERSITY OF MOMBASA
Faculty of Applied & Health Sciences

DEPARTMENT OF ENVIRONMENT AND HEALTH SCIENCES

DIPLOMA IN COMMUNITY HEALTH

(DCH 12S/14M/ 13J)

APH 2107: ENTOMOMOLOGY VECTOR AND PEST CONTROL

SPECIAL/SUPPLEMENTARY EXAMINATIONS

SERIES: FEBRUARY 2015

TIME: 2 HOURS

INSTRUCTIONS:

- This paper consists of **FIVE** questions.
- Answer question **ONE (Compulsory)** in Section **A** and any other **TWO** questions in **B**.
This paper consists of Two printed pages.

SECTION A (Compulsory) 30 Marks

QUESTION 1

- a) Natural enemies may be used in rodent control. Explain. **(4 marks)**
- b) List some of the 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 the effects of jigger attack. **(4 marks)**
- f) State how causative agents transmitted by rodents may enter the human body. **(5 marks)**
- g) List the common rodents found in your county. **(4 marks)**

SECTION B (Answer any TWO questions)

QUESTION 2

- a) Outline the medical importance of blowflies. **(7 marks)**
- b) Describe the measures for control and prevention of mites. **(7 marks)**

QUESTION 3

- a) Discuss the control and management of sandflies. **(8 marks)**
- b) Discuss the measures for control and prevention of ticks. **(7 marks)**

QUESTION 4

- a) Discuss measures for prevention and control of plague caused by fleas. **(8 marks)**
- b) Various community leaders have shown interest in jigger flea infestation management. Give your suggestion on best control measures. **(5 marks)**

QUESTION 5

- a) Bedbugs are international resurgent menace; discuss how they are able to reach us. **(10 marks)**
- b) As a public Health Officer describe the control measures you would recommend to deal with flea menace. **(5 marks)**