



**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)