



TECHNICAL UNIVERSITY OF MOMBASA
Faculty of Applied & Health Sciences

DEPARTMENT OF ENVIRONMENT AND HEALTH

DIPLOMA IN ENVIRONMENTAL HEALTH SCIENCES
DIPLOMA IN COMMUNITY HEALTH AND HIV MANAGEMENT
(DEHS 14M & DCHM 12S)

APH 2305: PRINCIPLES OF PUBLIC HEALTH

SPECIAL/SUPPLEMENTARY EXAMINATIONS

SERIES: FEBRUARY 2015

TIME: 2 HOURS

INSTRUCTIONS:

- This paper consists of **FIVE** questions.
- Answer question **ONE (Compulsory)** and any other **TWO** questions.
This paper consists of Three printed pages.

QUESTION 1 (Compulsory)

- a) Define the following terms as used in principles of Public Health
- i) Meat (1 mark)
 - ii) Food (1 mark)
 - iii) Slaughter (1 mark)
 - iv) Toxins (1 mark)
 - v) Zoonotic diseases (1 mark)
- b) i) Define a vector. (1 mark)
ii) List **FOUR** ways on how a vector may transmit pathogens. (4 marks)
- c) List **FIVE** vectors and the diseases they transmit. (5 marks)
- d) i) Define stunning. (2 marks)
ii) State **THREE** methods used in stunning of food animals. (3 marks)
- e) List **FIVE** objectives for meat inspection. (10 marks)

QUESTION 2

- a) State **TWO** types of meat inspection. (2 marks)
- b) When animals arrive at the slaughter house, what is the importance of this phenomena in meat inspection. (5 marks)
- c) List **FOUR** objectives of Ante-mortem inspection. (8 marks)

QUESTION 3

- a) Define ante-mortem inspection. (1 marks)
- b) Briefly explain the procedures done to animals (bovine) during enter mortem inspection. (5 marks)
- c) Differentiate between state fish and fresh fish. (4 marks)
- d) State **FIVE** facilities that are needed by a meat inspector in order to carry out his/her duties. (5 marks)

QUESTION 4

- a) Briefly explain the types of judgement during post-mortem inspection. (8 marks)
- b) Explain the types of judgement that you would give when a bovine carcass is infested with *Cysticercus bovis*. (7 marks)

QUESTION 5

With an aid of a diagram explain the 4F connection relation to disease transmission.

(15 marks)