



# Technical University of Mombasa

*Faculty of Applied and Health Sciences*

**DEPARTMENT OF ENVIRONMENT AND HEALTH SCIENCES**

DIPLOMA IN ENVIRONMENTAL HEALTH  
(DEH 11M)

**APH 2103 : ANATOMY & PHYSIOLOGY OF FOOD ANIMALS**

**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

*This paper consists of 2 PRINTED pages*

### QUESTION ONE

- a) Define the following terms as used in anatomy & physiology of food animals
- (i) Ewe (2 marks)
  - (ii) Rain (2 marks)
  - (iii) Heifer (2 marks)
  - (iv) Cow (2 marks)
  - (v) Bullock (2 marks)
- b) List four characteristics of a heifer carcass (8 marks)
- c) Give three characteristics of an ewe carcass (6 marks)
- d) State five characteristics of a bull carcass (6 marks)

### QUESTION TWO

Discuss the differential features of the skeletal system between a horse and bovine carcass (15 marks)

### QUESTION THREE

Give the dental formulars of the following animals:-

- (i) Horse / donkey
- (ii) Bovine
- (iii) Pig
- (iv) Dog

(15 marks)

### QUESTION FOUR

Discuss the purposes of must inspection under the following headings:-

- (i) Primary purpose (5 marks)
- (ii) Economic aspect (5 marks)
- (iii) Tertiary purpose (5 marks)

### QUESTION FIVE

Differentiate between the heart of a bovine to that of a horse. (15 marks)