



Technical University of Mombasa

Faculty of Applied and Health Sciences

DEPARTMENT OF ENVIRONMENT AND HEALTH SCIENCES

CERTIFICATE IN COMMUNITY HEALTH AND HIV MANAGEMENT
(CCH 135)

AAB 1102 : HUMAN ANATOMY AND PHYSIOLOGY

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) Definition of terms
 - (i) Human anatomy and physiology
 - (ii) Homeostasis
 - (iii) Diffusion
 - (iv) Osmosis
 - (v) Respiration
- b) Illustrate levels of organization from the simplest to the complex (5 marks)
- c) Outline five organ systems giving their functions (5 marks)
- d) Differentiate the following terms
 - (i) Parietal and visceral layer (2 marks)
 - (ii) Axial portion and Appendicular portion (2 marks)
 - (iii) Metabolism and homeostasis (2 marks)
 - (iv) Peritoneum and Pericardium (2 marks)
 - (v) Ventral and Dorsal cavity (2 marks)
- e) List the various anatomical terminologies (5 marks)

QUESTION TWO

Highlight the functions of the Muscular tissue (15 marks)

QUESTION THREE

- a) Identify the principle bones in the appendicular skeleton (10 marks)
- b) Functions of the thoracic cage (5 marks)

QUESTION FOUR

- a) Differentiate between benign and Malignant tumours (10 marks)
- b) Outline causes of death in malignant diseases with brief explanation. (5 marks)

QUESTION FIVE

Give the functions of Bone (15 marks)