



Technical University of Mombasa

Faculty of Applied and Health Sciences

DEPARTMENT OF ENVIRONMENT AND HEALTH SCIENCES

CERTIFICATE IN COMMUNITY HEALTH AND HIV MANAGEMENT
(CCH 13M)

AMD 1101 : HUMAN ANATOMY & PHYSIOLOGY I

SPECIAL/SUPPLEMENTARY: EXAMINATIONS

SERIES: OCTOBER 2013

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) Explain the difference between Anatomy and Physiology. **(3marks)**
- b) State FOUR specific organ system which physiology considers **(4marks)**
- c) Define the following:
 - (i) Organ system **(1mark)**
 - (ii) Organismal **(1mark)**
- d) Briefly explain two functions of the digestive system: **(4marks)**
- e) State TWO components of :
 - (i) Muscular system **(2marks)**
 - (ii) Nervous system **(2marks)**
- f) Explain the following:
 - (i) Growth **(1mark)**
 - (ii) Reproduction **(1mark)**
 - (iii) Excretion **(1mark)**
- g) Briefly explain any THREE survival needs of a human body **(3marks)**
- h) List THREE functions of golgi apparatus. **(3marks)**
- i) Explain the following:
 - (i) Lysosomes **(2marks)**
 - (ii) Centrioles **(2marks)**

Question TWO

- a) Draw a well labelled diagram of the skin **(6marks)**
- b) Explain SEVEN functions of the intergumentary system. **(7marks)**

Question THREE

- a) Draw a well labelled diagram of a male reproductive system. **(5marks)**
- b) Explain the functions of FIVE components of a male reproductive system **(10marks)**

Question FOUR

- a) Draw a well labelled diagram of a male reproductive system. **(5marks)**
- b) Explain the functions of FIVE components of a male reproductive system **(10marks)**

Question FIVE

- a) Explain how the urinary system eliminates nitrogenous wastes from the body. **(7marks)**
- b) Describe the regulation of water, electrolyte and pH balance of the blood by the urinary system. **(8marks)**