



Technical University of Mombasa
Faculty of Applied and Health Sciences

DEPARTMENT OF **ENVIRONMENT AND HEALTH SCIENCE**
DIPLOMA IN COMMUNITY HEALTH AND HIV MANAGEMENT
DIPLOMA IN NUTRITION AND HEALTH
(DCHM 12S /DNH 12S)

AMD 2110 : HUMAN ANATOMY AND PHYSIOLOGY I

SPECIAL/SUPPLEMENTARY: EXAMINATIONS

SERIES: FEBRUARY 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) State FOUR properties of muscles (4marks)
- b) State and explain three types of glands associated with the integumentary system (6marks)
- c) Draw the structure of a human cell and label the different parts (8marks)
- d) State FOUR functions of the plasma membrane (4marks)
- e) State any TWO examples of positive feedback control (2marks)
- f) Describe the components of blood plasma (6marks)

Question TWO

Explain the process of cell division (15marks)

Question THREE

- a) State FOUR main body cavities and give an example of what they contain (8marks)
- b) Describe the physiology of balance (7marks)

Question FOUR

- a) Describe the respiratory function of the nose (10marks)
- b) Differentiate between positive and negative feedback loop (5marks)

Question FIVE

- a) Describe FOUR transport functions of human blood (4marks)
- b) Explain the function of platelets (4marks)
- c) Draw a well labeled diagram of a neuron (4marks)
- d) Explain THREE types of cells that constitute bones. (3marks)