



Technical University of Mombasa
Faculty of Applied and Health Sciences

DEPARTMENT OF **ENVIRONMENT AND HEALTH SCIENCE**
DIPLOMA IN COMMUNITY HEALTH AND HIV MANAGEMENT
(DCHM 12M)

AMD 2111: HUMAN ANATOMY AND PHYSIOLOGY II

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) (i) Explain the meaning of “cardiac cycle” and describe its phases **(3marks)**
(ii) Describe the structure and functions of the human heart. **(7marks)**
- b) Outline FOUR functions of the human spleen **(4marks)**
- c) (i) Name THREE hormones secreted by human male reproductive organs and state their roles **(3marks)**
(ii) State THREE female reproductive organs and explain their functions **(6marks)**
- d) (i) What are sinusoids? **(2marks)**
(ii) Describe the structure and function of a vein **(5marks)**

Question TWO

- a) Describe the cross-sectional structure of the human gastrointestinal tract. **(5marks)**
- b) Explain FIVE functions of the human gastrointestinal tract **(10marks)**

Question THREE

Write a detailed description of the location, structure and function of the human kidney. **(15marks)**

Question FOUR

- a) Explain three functions of the lymph nodes **(3marks)**
- b) Describe the organization of the human lymphatic system **(12marks)**

Question FIVE

- a) State THREE functions of the larynx. **(3marks)**
- b) Briefly describe the location, structure and functions of the human lungs. **(12marks)**