



Technical University of Mombasa

Faculty of Applied and Health Sciences

DEPARTMENT OF ENVIRONMENT AND HEALTH
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE IN COMMUNITY HEALTH
BCH 13J

AML 4144: HUMAN ANATOMY AND PHYSIOLOGY II

SPECIAL/SUPPLEMENTARY EXAMINATION

OCTOBER 2013 SERIES

2 HOURS

Instructions to candidates:

This paper consist of **FIVE** questions

Answer question **ONE** (compulsory) and any other **TWO** questions

Question ONE

- Describe the mechanics involved in inspiration (5marks)
- Describe the process of renal ultrafiltration using illustration (5marks)
- Describe the general structure of the photoreceptors indicating their location. (5marks)
- Describe the two factors of digestion (5marks)
- Describe the two types of salivary glands giving their location (5marks)
- Explain the roles of the two hormones released in the pancreases (5marks)

Question TWO

Using proper illustration show the movement of spermatozoa from the site of formation to the deposition in the female vagina. **(20marks)**

Question THREE

Illustrate the eyeball structure **(20marks)**

Question FOUR

Describe the pathways involved in secretion of anterior pituitary hormones and their effects on target glands and effector tissues. **(20marks)**

Question FIVE

Illustrate the structures involved in respiration **(20marks)**