



“Investing in Africa’s future”

**COLLEGE OF HEALTH, AGRICULTURE AND NATURAL SCIENCES
(CHANS)**

SNS 322: BIOSCIENCES

END OF SECOND SEMESTER FINAL EXAMINATIONS

APRIL/MAY 2019

LECTURER: MRS. V. K. CHIKANYA

DURATION: 3 HRS

INSTRUCTIONS

Answer **any three (3)** questions

All questions carry equal marks (20).

DO NOT repeat material.

Write legibly.

Question 1

Regarding sodium, describe its sources, normal ranges and functions

20 Marks

Question 2

Describe any five (5) possible causes of fluid imbalance

20 Marks

Question 3

Describe the clinical manifestations of hypokalemia

20 Marks

Question 4

Describe respiratory alkalosis (include possible causes, manifestations and management)

20 Marks

END OF PAPER