



**AFRICA
UNIVERSITY**

(A United Methodist-Related Institution)

COLLEGE OF HEALTH, AGRICULTURE AND NATURAL SCIENCES

NSNS 323: HUMAN ANATOMY

END OF FIRST SEMESTER FINAL EXAMINATIONS

NOVEMBER-DECEMBER 2021

LECTURER: MRS KAPFUNDE A

DURATION: 0900-1359 HRS

INSTRUCTIONS

Answer one question

All questions carry equal marks (100) each.

DO NOT repeat material.

Write legibly.

QUESTION 1

The skin is the first line defense system of a human body.

- a. Describe the structure of the skin (25 marks)
- b. Outline the functions of the skin with reference to the mechanism of actions for each. (25marks)
- c. Discuss how the skin and its accessories play a role in wound healing process. (25 marks)
- d. Describe the blood elements responsible for the clotting process and the mechanism of action in control of hemorrhage. (25 marks).

QUESTION 2

- a. Outline the various types of tissues found in the human body citing the origins and functions of each type. (40marks)
- b. Describe the cells that constitute blood giving resulted effects of deficit or inadequacy of each to the body system. (30 marks)
- c. With reference to the microscopic structure of the kidney describe its functions as an organ of elimination. (30marks)

QUESTION 3

The central nervous system controls and coordinate body function.

- a. Describe the structure and functions of the components of the Central nervous system. (50 marks)
- b. Outline the origin, destination and effects of the cranial nerves in the human body. (25marks)
- c. Discuss how the Autonomic division of the nervous system helps the body to respond and react in times of danger. (25 marks)

END OF PAPER