



“Investing in Africa’s future”

DEPARTMENT OF AGRICULTURE AND NATURAL SCIENCE

**AAS 101: ANATOMY AND PHYSIOLOGY
END OF FIRST SEMESTER EXAMINATIONS**

November/December 2019

LECTURER: WASHAYA S

DURATION: 3 HOURS

INSTRUCTIONS

Answer any **FIVE** questions

All questions carry equal marks (20).

DO NOT repeat material.

Write legibly.

Anatomy and Physiology

TIME: 3 HOURS (100 Marks)

December 2019

INSTRUCTIONSAnswer any **FIVE** questions. Each question carries **20** marks.

1. Write short notes on the following;
 - a. Axial skeleton (5 marks)
 - b. Appendicular skeleton (5 marks)
 - c. Vertebral Column (5 marks)
 - d. The skull (5 marks)
2.
 - a. State the functions of bones (8 marks)
 - b. Using examples briefly give the 3 classes of joints (6 marks)
 - c. Give the characteristics of fast muscles (6 marks)
3.
 - a. Describe the digestion of proteins, carbohydrates and fats in Monogastric animals (10 marks)
 - b. Describe in detail the process of urine formation within the nephron (12 marks)
4.
 - a. Briefly discuss the anatomy of the heart (8 marks)
 - b. Describe the 'Fate' of red blood cells (6 marks)
 - c. Briefly describe the functions of blood (6 marks)
5.
 - a. Define hormone (2 marks)
 - b. Give a detailed classification of hormones (10 marks)
 - c. State any 4 hormones produced by the stomach and show their functions (8 marks)
6. Write short notes on the following;
 - a. Significance of blood test is barrier (5marks)
 - b. Structure of the ovary (6 marks)
 - c. Folliculogenesis (9 marks)
7. Discuss the functions of the respiratory system and indicate how the systems achieves homeostasis (20 marks)

END OF PAPER