



“Investing in Africa’s future”

**COLLEGE OF HEALTH, AGRICULTURE AND NATURAL
SCIENCES**

NAAS 111: ANATOMY AND PHYSIOLOGY OF FARM ANIMALS

NOVEMBER/ DECEMBER 2020

LECTURER: MR. P. B. MUVHURINGI

DURATION: 24 HRS

INSTRUCTIONS

1. Download the examination paper from MOODLE and work offline
2. Choose and answer **One** question
3. Upload your response onto the Moodle platform

Question One

- a. Compare and contrast the structure of veins and arteries. [15]
- b. Distinguish pulmonary circulation from systemic circulation. [20]
- c. Describe the classification of joints according to the following:
 - i. Synarthroses [15]
 - ii. Amphioarthroses [15]
 - iii. Diarthroses [15]
- d. Compare and contrast the digestive system of cattle and pigs. [20]

Question Two

- a. Discuss the functions of the hormones which are released by the adenohypophysis and the neurohypophysis. [25]
- b. Discuss the types of joint movements in animals. [25]
- c. Describe the cardiac cycle. [25]
- d. Compare and contrast the leucocytes and the erythrocytes. [25]

Question Three

- a. Outline the directional terms and planes of the animal body. [25]
- b. Discuss the composition and functions of blood in animals. [25]
- c. Describe the digestion process in a ruminant animal. [25]

d. Discuss the functions of bones in animals.

[25]

END OF EXAMINATION PAPER