

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DIPLOMA IN ANIMAL HEALTH AND PRODUCTION

ANHE 0111: GROSS ANATOMY

STREAMS: DIPLOMA ANHE

TIME: 2 HOURS

DAY/DATE: MONDAY 16/12/2024

2.30 P.M – 4.30 P.M.

INSTRUCTIONS

- *Answer all questions in section A and any two questions in section B.*

SECTION A (30 marks)

1. Discuss **five** gross anatomical features you can use to differentiate a cow from a horse. (5 marks)
2. Discuss the anatomical divisions of the nervous system. (4 marks)
3. Discuss the boundaries of the thoracic cavity in cattle. (5 marks)
4. Discuss the functions of the muscles of mastication and give examples. (6 marks)
5. The penis is a vital organ in mammals. Briefly discuss the function and compare the penis of a cow, dog, and pig. (6 marks)
6. Briefly discuss the location of the kidney in bovine. (5 marks)

SECTION B (40 MARKS)

7. a) With the aid of a diagram discuss the structure and arrangement of the vertebrae in cattle. (15 marks)
b) Discuss the functions of the bones. (5 marks)

8. a) Compare and contrast the anatomy of the pig and chicken digestive system. (15 marks)
b) Discuss the functions of the liver. (5 marks)
 9. a) Discuss the functions of the lymph nodes and list **four** superficial lymph nodes. (6 marks)
b) Using a diagram, discuss the structure and movement of the blood in the heart. (14 marks)
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