

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

RESITS/SPECIAL EXAMINATIONS

**FIRST YEAR EXAMINATION FOR THE AWARD OF CERTIFICATE IN
ANIMAL HEALTH AND PRODUCTION**

ANHE 00115: ANATOMY AND PHYSIOLOGY OF DOMESTIC ANIMALS

STREAMS: CERT ANHE

TIME: 2 HOURS

DAY/DATE: MONDAY 28/8/2023

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS

Answer all questions in section A and any two questions in section B

SECTION A

1. List the scientific names of the cattle, dog, goat, pig and sheep (5 marks)
2. Differentiate between median plane and sagittal plane as used to describe direction in anatomy (5 marks)
3. Discuss 5 functions of the skin (5 marks)
4. Discuss two functions of blood and list three type of white blood cells (5 marks)
5. Define a simple epithelium and list 3 examples of simple epithelium (5 marks)
6. List 4 connective tissues found in the body (4 marks)
7. Define estrus cycle and list the stages of estrus cycle in bovine (6 marks)
8. List the components of the spermatogenic chord (5 marks)

SECTION B

9. a) List 5 organs of the respiratory system (5 marks)
b) Discuss the process of respiration (10 marks)

10. a) Discuss the function of the digestive (7 marks)

b) Differentiate between a ruminant and a non-ruminant stomach anatomically giving an example of a species in each (8 marks)

11. a) List the classes of vertebrae (5 marks)

b) With the aid of a diagram explain the arrangement of bones in the pectoral limb of a cow (10 marks)

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