

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DIPLOMA IN ANIMAL HEALTH
AND PRODUCTION

ANHE 0111: GROSS ANATOMY

STREAMS: DIP. ANHE

TIME: 2 HOURS

DAY/DATE: MONDAY 09/12/2019

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS: Answer ALL questions in section A and any TWO in section B

SECTION A (30 MARKS)

1. (a) Using an example, explain the rules followed when writing scientific names of organisms [3 marks]
- (b) Define the term species [2 marks]
- (c) Using examples of organs, name 10 body systems that can be found within the thoracic cavity [5 marks]
2. (a) Draw the structure of a lumbar vertebrae and name the parts [5 marks]
- (b) Draw and name the synovial joint [5 marks]
3. (a) Name the muscles covering the humerus and femur [4 marks]
- (b) Describe the location of the heart of a bovine [4 marks]
- (c) Define bone marrow [2 marks]

SECTION B (40 MARKS)

ANHE 0111

4. (a) Identify the parts indicated in figure 1 (page 3) [12 marks]
(b) Draw the structure of a tooth [6 marks]
(c) Indicate the dental formula of the adult sheep [2 marks]
5. (a) Explain the division of the nervous system of animals [10 marks]
(b) Enumerate the location and function of 5 parts of the eye [10 marks]
6. (a) Trace the movement of air from the nostrils of a dog; naming all organs within that system [5 marks]
- (b) Name the organ and the parts indicated in figure 2 (page 4) [5 marks]
(c) Name the glands indicated in figure 3 (page 5) of a male dog [7 marks]
(d) Differentiate the shape of a non-erected penis in the bull, boar and cat [3 marks]
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