

EGERTON



UNIVERSITY

UNIVERSITY EXAMINATIONS

REGULAR-NJORO CAMPUS

FIRST SEMESTER, 2017/2018 ACADEMIC YEAR

**EXAMINATION FOR DEGREE IN ANIMAL SCIENCE, FOOD SCIENCE
AND TECHNOLOGY, AGRONOMY**

ANHE 201: GROSS ANATOMY

STREAM: ANSC, FOST, AGRO

TIME: 2 HRS

EXAMINATION SESSION: DECEMBER

YEAR: 2017

INSTRUCTION

Answer all questions

Question One

(a) Define the following terms

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|------------------|----------|
| I. Proximal | (1 mark) |
| II. Ventral | (1 mark) |
| III. Brachium | (1 mark) |
| IV. Antebrachium | (1 mark) |
| V. Lateral | (1 mark) |
| VI. Transverse | (1 mark) |

(b) State the four categories of bones and give an example of each

(8 marks)

- (c) Give the divisions of the skeleton and name any two structures that form each division (6marks)

Question two

- (a) Define the following terms and give an example

- I. Synarthrosis (2marks)
- II. Amphiarthrosis (2marks)
- III. Diarthrosis

- (b) List any five structures that make up a synovial joint (5 marks)

- (C) List the three groups of synovial joints (3 marks)

- (d) Give a brief description of the following joints

- I. Hip joint
- II. Synsarcosis
- III. Stifle joint

(Ames)

Question Three

- (a) Name the three varieties of muscles and give an example in each case (3 marks)

- (b) Write the dental formulae of ruminants (3 marks)

- (c) Describe the interior appearance of the following

- I. Rumen (2marks)
- II. Reticulum (2marks)
- III. Omasum (2marks)
- IV. Abomasum (2 marks)

- (d) List the parts of the small intestines of ruminants in order from the duodenum (6marks)

Question Four

- (a) List the structures that form the conducting portion of the respiratory system (6marks)
- (b) Outline the four characteristics of veins (4marks)
- (c) Describe the following parts of the heart
 - I. Tricuspid valve (2 marks)
 - II. Mitral valve (2 marks)
- (d) Enumerate the two broad divisions of the nervous system (2 marks)
- (e) List any four cranial nerves (4marks)

Question Five

- (a) List the parts that make up the urogenital system (4marks)
- (b) Draw and label the external morphology of a mammalian kidney (4marks)
- (c) Differentiate between the uterine horns and uterine body of a sow and cow (4marks)
- (d) List the structures that make up the lymphatic system (5marks)
- (e) List the three parts of the ear (3marks)

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