



MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS

2019/2020 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER

**SCHOOL OF NATURAL RESOURCES AND
ANIMAL SCIENCES**

**BACHELOR OF SCIENCE IN ANIMAL HEALTH
AND PRODUCTION**

COURSE CODE: AHP 1101

COURSE TITLE: GROSS ANATOMY I

DATE: 6TH DECEMBER, 2019

TIME: 0830 – 1100 HRS

INSTRUCTIONS TO CANDIDATES

Answer ALL questions.

This paper consists of 3 printed pages. Please turn over

GROSS ANATOMY I [100 Marks]

1. Define the following descriptive terms:

- a) Cranial **(1mark)**
- b) Caudal **(1 mark)**
- c) Medial plane **(1 mark)**
- d) Ventral **(1 mark)**
- e) Distal **(1 mark)**

2 a. Explain briefly **FIVE** classes of bones; giving an example of a bone in each class described. **(10 marks)**

b. State four non- articular osseous depressions and for each give one example. **(8 marks)**

c. List and describe briefly, the osseous structures that make up the pectoral girdle. **(6 Marks)**

d. List and describe briefly, the osseous structures that make up the pelvic girdle. **(6 Marks)**

3. Discuss briefly, the functions of bones. **(8 Marks)**

4. Describe briefly, the different classes of joints. **(15 Marks)**

5. With the aid of a well labeled diagram describe the general structure of a synovial joint. **(10 marks)**

6. Describe briefly, the muscles responsible for masticatory action in mammals. **(12 Marks)**

7 a. Mention the function of the diaphragm. **(1 Mark)**

b. With the aid of a well labelled diagram, describe the structure of the diaphragm **(9 Marks)**.

8 a. Gastrulation is the morphogenic process that gives rise to three germ layers, True or False. **(1 Mark)**

b. Name the three primary germ layers and give examples of organ systems and /or anatomic structures that derive their origins from each of the germ layers **(9 Marks)**.