



MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS

2023/2024 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER

SCHOOL OF NATURAL RESOURCES

ENVIRONMENTAL STUDIES AND

AGRICULTURE

BACHELOR OF SCIENCE IN ANIMAL HEALTH

AND PRODUCTION

COURSE CODE: AHP 1103-1

COURSE TITLE: GROSS ANATOMY &

EMBRYOLOGY I

DATE: 31/1/2024

TIME: 1100-1400 HRS

INSTRUCTIONS:

- (i) Attempt ALL the questions
- (ii) Label your answers clearly
- (iii) Don't mix up answers

DO NOT WRITE anything on the question paper

QUESTION ONE

(i) Give the definition of the following listed terms

- I. Osteology (2 marks)
- II. Myology (2 marks)
- III. Arthrology (2 marks)
- IV. Embryology (2 marks)
- V. Integument (2 marks)

(ii) Describe the following terms

- I. Exoskeleton (5 marks)
- II. Endoskeleton (5 marks)

QUESTION TWO

(i) Discuss six (6) methods of bone classification in gross anatomy (12 marks)

(ii) Describe the gross anatomy of true rib while highlighting the key anatomical features (8 marks)

QUESTION THREE

Write notes of the following terms, using diagrams where possible

(i) Capsule (10 marks)

(ii) Typical diarthrodial joint (10 marks)

QUESTION FOUR

(i) Giving examples, define the following terms

- I. Muscle (2 marks)
- II. Tendon (2 marks)
- III. Ligament (2 marks)

(ii) Voluntary muscles are named according to the physical characteristics. Describe seven (7) physical characteristics of skeletal muscles (14 marks)

QUESTION FIVE

(i) State any seven (7) accessory organs of the integumentary system (7 marks)

(ii) Describe the functions of the integumentary system (7 marks)

(iii) Using a sketch diagram, illustrate gross anatomy of corneal process while highlighting the key anatomical features (6 marks)

QUESTION SIX

(i) Write short notes on placentation in domestic animals while giving an example (10 marks)

(ii) Using a sketch diagram, illustrate gross anatomy of fetal membranes of a developing conceptus (10 marks)

/END/