



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2020/2021

FIRST SEMESTER EXAMINATIONS FOR THE DEGREE OF BACHELOR OF
SCIENCE IN ANIMAL HEALTH AND PRODUCTION

KAS 102: GROSS ANATOMY 1

DATE: Monday 15th March 2021

TIME: 11.00a.m - 1.00p.m

INSTRUCTIONS:

ANSWER ALL QUESTIONS IN SECTION A AND ANY TWO QUESTIONS IN
SECTION B

Section A: Answer all questions in this section

1. Define the following terms [5 marks]
 - a) Anatomy
 - b) Histology
 - c) Embryology
 - d) Gross anatomy
 - e) Ultrastructural cytology
2. Briefly describe the basic organization of the body. [5 marks]
3. Define the following terms [5 marks]
 - a) The median plane
 - b) Sagittal plane
 - c) Medial
 - d) Palmar
 - e) Proximal

4. Briefly describe the following parts of a bone. [5 marks]
- a) Epiphysis
 - b) Diaphysis
 - c) Metaphysis
 - d) Periosteum
 - e) Osteoblast
5. List the muscles of respiration in domestic animals. [5 marks]
6. List the bones that form the following structures. [5 marks]
- a) Floor of the nasal cavity
 - b) Roof of the oral cavity
7. Define the following terms. [5 marks]
- a) Synovial joint
 - b) Suture
 - c) Extension
 - d) Flexion
 - e) Hinge joints
8. Describe the main anatomical features of the scapular of bovine. [5 marks]

Section B: Answer ANY TWO questions in this section

9. Discuss the structure and components of a synovial joint. [15 marks]
10. Discuss the respiratory anatomy of a bovine. [15 marks]
11. Describe briefly the following anatomical structures. [15 marks]
- a) Hooves
 - b) Horns
 - c) Dew claws