



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2019/2020

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN ANIMAL HEALTH AND PRODUCTION

KAS 107: GROSS ANATOMY II

DATE: Monday, 26th October 2020

TIME: 8.00 a.m. - 10.00 a.m.

INSTRUCTIONS:

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

Section A: Answer all questions in this Section (40 Marks)

1. Explain briefly the following terms in relation to mammalian nervous system. (5 Marks)
 - a) Gray matter
 - b) White matter
 - c) Nerve
 - d) Ganglia
 - e) Nuclei
2. Name the two paired and the three none paired branches of abdominal aorta. (5 Marks)
3. Explain briefly the term portal system as used in mammals and name two examples of portal systems in a bovine. (5 Marks)
4. Describe briefly the anatomical features of a bovine tongue. (5 Marks)
5. Illustrate the anatomical location of 5 major mammalian endocrine glands in a pig. (5 Marks)

INVOLVEMENT IN ANY EXAMINATION IRREGULARITY SHALL LEAD TO DISCONTINUATION

6. Differentiate the following body fluids. (5 Marks)
- a) Extracellular fluid
 - b) Interstitial fluid
 - c) Plasma
 - d) Lymph
 - e) Serous fluid
7. Briefly describe the gross appearance of a bovine kidney. (5 Marks)
8. Describe briefly the gross appearance of a bovine reticulum. (5 Marks)

Section B: Answer ANY TWO questions in this section (30 Marks)

9. Discuss the reproductive function of a cow. (15 Marks)
10. Discuss the digestive function of a chicken. (15 Marks)
11. Describe the following anatomical structures of the mammalian nervous system.
- a) Meninges (5 Marks)
 - b) Cerebrum (5 Marks)
 - c) Spinal cord (5 Marks)