



KISII UNIVERSITY

UNIVERSITY EXAMINATIONS

SECOND YEAR EXAMINATION FOR THE AWARD OF THE
DEGREE OF BACHELOR OF PUBLIC HEALTH
FIRST SEMESTER, 2021/2022
(FEBRUARY - JUNE, 2022)

PHES 202: ANATOMY AND PHYSIOLOGY OF FOOD ANIMALS

STREAM: Y2 S1

TIME: 3 HOURS

DAY: THURSDAY, 2:00 – 5:00 P.M.

DATE: 19/05/2022

INSTRUCTIONS

- 1. Do not write anything on this question paper.*
- 2. THERE ARE FOUR (4) QUESTIONS IN THIS SECTION*
- 3. ANSWER ALL FOUR (4) QUESTIONS*

SECTION A: SHORT ANSWER QUESTIONS (SAQS) (30 MARKS)

SAQ 1. Describe the components and main functions of the ruminant digestive system **(8marks)**

SAQ2. Highlight the major lymph nodes of a bovine head and carcass **(8 marks)**

SAQ 3. With the aid of a table compare and contrast the anatomical differences between bovine and caprine spleen, liver and kidney **(6marks)**

SAQ4. Define the following terms

- Gross anatomy **(2marks)**
- Comparative anatomy **(2marks)**
- Tissue **(2marks)**
- Rostral **(2marks)**

SECTION B: LONG ESSAY QUESTIONS (40 MARKS)

LEQ 1. Discuss bovine heart under the following subheadings

- a) Gross anatomy
- b) Physiology **(20 marks)**

LEQ 2. Describe the avian digestive system under the following headings

- (a) Gross Anatomy
- (b) Physiology **(20 marks)**

LEQ 3. Describe the avian respiratory system under the following subheadings

- a) Gross Anatomy
- b) Physiology **(20 marks)**