



KISII UNIVERSITY
UNIVERSITY EXAMINATIONS

SPECIAL/SUPPLEMENTARY EXAMINATIONS
SECOND YEAR EXAMINATION FOR THE AWARD OF THE DEGREE OF BACHELOR
OF SCIENCE IN PUBLIC HEALTH
SECOND SEMESTER 2024/2025
[AUGUST, 2025]

PHES 224: MEAT PATHOLOGY AND INSPECTION

STREAM: Y2 S2

TIME: 2 HOURS

DAY: TUESDAY, 12:00 - 2:00 P.M.

DATE: 13/08/2025

INSTRUCTIONS:

- 1. Do not write anything on this question paper.***
- 2. Answer question ONE in section A (Compulsory) and any other TWO questions from section B.***

SECTION A: SHORT ANSWER QUESTIONS (SAQs) 40 marks

1. Explain three types of cellular adaptation (6 marks)
2. Explain five objectives of post-mortem inspection (5 marks)
3. Elaborate on two types of pathologic calcification (4 marks)
4. Explain the two factors that determine meat color (5 marks)
5. Outline the five cardinal signs of acute inflammation (5 marks)
6. Highlight five elements of gross anatomic pathology (5 marks)
7. Describe two types of pathologic calcification (5 marks)
8. Describe five techniques used in routine postmortem inspection of food animals (5 marks)

SECTION B: LONG ESSAY QUESTIONS (LEQs) 30 marks

1. Discuss the techniques used in routine postmortem inspection of food animals and pathologic conditions identifiable by each (15 marks)
2. Discuss post-mortem inspection procedure for a bovine head giving examples of pathologic conditions commonly associated with the same (15 marks)
3. Describe the steps involved in conventional poultry slaughtering (15 marks)