



KISII UNIVERSITY
UNIVERSITY EXAMINATIONS
SECOND YEAR EXAMINATION FOR THE AWARD OF THE
CERTIFICATE IN ANIMAL SCIENCE
SECOND SEMESTER 2022/2023
(SEPTEMBER - DECEMBER, 2022)

ANHE 00323: METABOLIC, NUTRITIONAL AND REPRODUCTIVE
DISEASES/DISORDERS

STREAM: Y2 S2

TIME: 2 HOURS

DAY: TUESDAY, 12:00 P.M – 2:00 P.M

DATE: 20/12/2022

INSTRUCTIONS:

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

SECTION A(40MARKS)

1. Discuss control and prevention measures of milk fever(10marks)
2. Discuss Vitamin D deficiency based on
 - a) Aetiology (2marks)
 - b) Clinical signs (5marks)
 - c) Prevention and control (3marks)
3. Discuss Vitamin E deficiency based on
 - a) Aetiology (2marks)
 - b) Clinical signs (5marks)
 - c) Prevention and control (3marks)
4. Discuss iodine deficiency based on
 - a) Aetiology (2marks)
 - b) Clinical signs (4marks)
 - c) Treatment, control and prevention measures (4marks)

SECTION B

5. Discuss Ketosis based on
- a) Aetiology (2marks)
 - b) Clinical signs (5marks)
 - c) Diagnosis (2marks)
 - d) Treatment, control and prevention measures (6marks)
6. Discuss hypomagnesemia based on:
- a) Aetiology (2marks)
 - b) Clinical signs (5marks)
 - c) Diagnosis (2marks)
 - d) Treatment, control and prevention measures (6marks)
7. Discuss fat cow syndrome based on:
- a) Aetiology (3marks)
 - b) Clinical signs (6marks)
 - c) Diagnosis (2marks)
 - d) Treatment (4marks)