

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

SECOND YEAR EXAMINATION FOR THE AWARD OF CERTIFICATE IN ANIMAL
HEALTH AND PRODUCTION

ANHE 00125: METABOLIC, NUTRITIONAL AND REPRODUCTIVE DISEASES

STREAMS: CERT (ANHE) Y2S1

TIME: 2 HOURS

DAY/DATE: FRIDAY 14/12/2018

2.30 P.M - 4.30 P.M.

INSTRUCTIONS

- Answer ALL questions in Section A and any TWO Questions in Section B
- Total Marks = 70
- Do not write anything on the question paper

SECTION A: ANSWER ALL QUESTIONS IN THIS SECTION- [40 MARKS]

1. Define the following terms;

- (i) Retained placenta [2 Marks]
- (ii) Pyometra [2 Marks]
- (iii) Endometritis [2 Marks]
- (iv) Anoestrus [2 Marks]
- (v) Silent heat [2 Marks]

2. List five main clinical signs of:

- (i) Copper deficiency in livestock [5 Marks]
- (ii) Vitamin A deficiency in livestock [5 Marks]
- (iii) Eclampsia in dogs [5 Marks]

3. Differentiate between primary and secondary ketosis. [4 Marks]

4. Outline the prevention and control of calcium and phosphorous deficiency in animals. [3 Marks]

5. Briefly describe the causes of frothy bloat in ruminants. [4 Marks]

6. What reasons would you give a farmer to use Artificial Insemination? [4 Marks]

SECTION B: ANSWER ANY TWO QUESTIONS IN THIS SECTION - [30 MARKS]

7. (a) Briefly describe the causes of white muscle disease in calves. [5 Marks]
(b) Discuss the prevention and control of bloat in ruminants. [10 Marks]
8. (a) Briefly describe the prevention of silent heat in livestock. [5 Marks]
(b) Discuss the management of retained placenta in cattle. [10 Marks]
9. Discuss the causes, prevention and control of:
(a) Grass tetany in cattle. [8 Marks]
(b) Transport tetany in ruminants [7 Marks]
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