

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE
(AGEC ,AGBM)**

ANSC 359: PRINCIPLES OF ANIMAL PRODUCTION

STREAMS: Y3S1

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 11/12/2019

8.30 A.M – 10.30 A.M

INSTRUCTIONS

Answer all questions in section A and any two in B

SECTION A: ANSWER ALL QUESTIONS (30 MARKS)

- (a) Define the following :phenotype, Egg candling, singeing. [3 marks]
- (b) Show how the problems facing livestock can be minimized. [5 Marks]
- (c) What are the routes of gaining and losing water in the body? [4 marks]
- (d) Based on mode of transmission state three classes of diseases and give examples. [6 marks]
- (e) Using relevant examples explain the factors considered while constructing livestock housing. [4 marks]
- (f) Using relevant examples, differentiate between in breeding and outbreeding. [4 marks]
- (g) What factors should be considered while aging beef? [4 marks]

SECTION B: ANSWER ANY TWO QUESTIONS (40 MARKS)

- 2. Explain the digestion of proteins and carbohydrates in poultry and their function in the animal's body. [20 marks]
- 3. Explain the animal health challenges faced by farmers and what measures can be taken for disease control and prevention. [20 marks]

4. (a) Explain importance of cloning and transgenic animals in animal breeding. [10 marks]
(b) Explain wool and hair grading after harvesting. [10 marks]
-