

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**THIRD YEAR EXAMINATION FOR THE AWARD OF DEGREE
OF BACHELOR OF SCIENCE IN ANIMAL SCIENCE**

ANSC 359: PRINCIPLES OF ANIMAL PRODUCTION

STREAMS: BSC (ANSC)

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 11/4/2018

2.30 P.M. – 4.30 P.M.

**INSTRUCTION: ANSWER ALL QUESTIONS IN SECTION A AND ANY TWO
QUESTIONS IN SECTION B**

SECTION A: ANSWER ALL QUESTIONS (30 MARKS)

1. (a) Define the following: Phenotype, Egg candling, singeing [3marks]
- (b) Why isn't the livestock industry at its optimum in Kenya. [5 marks]
- (c) Explain the unique physiology and metabolism of ruminants that enables them use fibrous feeds. [4 marks]
- (d) Using relevant examples, differentiate between inbreeding and outbreeding. [4 marks]
- (e) Why is animal behaviour important during construction of livestock housing? [4 marks]
- (f) What factors should be considered while aging beef? [4 marks]
- (g) How is wool graded? [6 marks]

SECTION B: ANSWER ANY TWO QUESTIONS (40 MARKS)

2. Explain the digestion of proteins and carbohydrates in poultry and their function in the animals body. [20 marks]
3. Discuss the principles of animal health management. [20 marks]
4. Explain the optimum conditions for a meat processing facility. [20 marks]