

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE
OF BACHELOR OF SCIENCE IN AGRICULTURE, BACHELOR OF SCIENCE
IN AGRIBUSINESS MANAGEMENT & BACHELOR OF SCIENCE IN
NATURAL RESOURCE MANAGEMENT

ANSC 359: PRINCIPLES OF ANIMAL PRODUCTION

STREAMS: BSC (AGEC, AGBM & NARE)

TIME: 2 HOURS

DAY/DATE: FRIDAY 07/12/2018

2.30 P.M. – 4.30 P.M.

INSTRUCTIONS: Answer all questions in section A and any two in B

SECTION A: ANSWER ALL QUESTIONS (30 MARKS)

1. (a) Define
 - (i) Progeny testing [2 marks]
 - (ii) Cloning [5 marks]
- (b) Show how the problems facing livestock sector can be minimized [5 marks]
- (c) What is the function of the following parts of the digestive system? Crop, rumen, cloaca, ileum, caecum [5 marks]
- (d) Using relevant examples, explain the factors considered while constructing livestock housing [4 marks]
- (e) Based on mode of transmission state three classes of diseases [3 marks]
- (f) State ways of ensuring safe eggs cleaning and handling [6 marks]
- (g) How is fresh milk graded [5 marks]

SECTION B: ANSWER ANY TWO QUESTIONS (40 MARKS)

ANSC 359

2. Explain the animal health challenges faced by farmers and what measures can be taken for disease control and prevention [20 marks]
3. (a) Discuss the following systems of breeding showing advantages and weakness of each system: in breeding and outbreeding [10 marks]
- (b) Discuss factors considered while marketing eggs, table birds and dairy products [10 marks]
4. (a) What are the factors that lead to meat spoilage? [10 marks]
- (b) Explain the minimum characteristics of a meat processing facility [10 marks]
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