

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE
OF BACHELOR OF SCIENCE IN ANIMAL SCIENCE

ANSC 111: INTRODUCTION TO ANIMAL SCIENCE

STREAMS: BSC (ANSC)

TIME: 2 HOURS

DAY/DATE: MONDAY 02/12/2019

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS: Answer ALL questions in section A and other TWO in section B

SECTION A (30 MARKS)

1. (a) Define the following [3 marks]
 - (i) Total mixed ration
 - (ii) Phenotype
 - (iii) Surrogate
- (b) Give an overview of agriculture and animal industry [5 marks]
- (c) State the types of mating systems often used by breeders [5 marks]
- (d) How is intensive system a disadvantage to farmers? [5 marks]
- (e) Name 6 reproductive hormones and their functions [6 marks]
- (f) Could the Anglo-Nubian breed of goats be of any benefit in Kenya? Defend your answer. [4 marks]
- (g) State the breeds of pig most suitable for each of the following: bacon; pork [2 marks]

SECTION B (40 MARKS)

ANSC 111

2. Describe how crop and animal can be integrated for maximum productivity. [20 marks]
3. Discuss the following reproductive techniques: Artificial insemination; Embryo transfer. [20

marks]

4. Write short notes on the following
 - (a) The advantages of keeping small ruminants over the larger ruminants [10 marks]
 - (b) Using relevant examples, give the dairy goats breeds and their unique characteristics [10

marks]
