

KISII UNIVERSITY

UNIVERSITY EXAMINATIONS

**1ST YEAR EXAMINATION FOR THE AWARD OF CERTIFICATE IN ANIMAL
HEALTH**

ANSC 00111: INTRODUCTION TO ANIMAL SCIENCE

STREAM: Y1S1

DATE:

TIME:2HRS

Instructions

Answer all questions in section A and any two question in section B

Section A (40MARKS)

Question one

- a) What are the advantages of small ruminant (sheeps) over other domestic livestock
8mks
- b) Define the term animal science
2mks

Question two

- a) State the 4 classification of goat breeds according to their function or products they produce and in each give one example
4mks
- b) Discuss Saanen breed of dairy goats based on the following:-
6mks
- i. Origin
 - ii. Coat colour
 - iii. Size

Question three

- a) Saliva plays a very vital role in digestion of food in the mouth. State 4 roles of saliva
4mks
- b) State 3 functions of an animal stomach
3mks
- c) State any 2 functions of the large intestine
3mks

Question four

- a) **Define the following terms**
4mks
- i. Chromosome
 - ii. Locus

- iii. Alleles
- iv. Polymorphism
- b) The small intestine of an animal is divided into 3 sections; name them and state their functions
6mks

SECTION B 30mks

Question five

- a) Briefly define the following:-
10mks
 - i. Qualitative traits
 - ii. Traits
 - iii. Environment
 - iv. Phenotype
 - v. Gene
- b) Define the term selection as used in animal breeding
3mks
- c) State 2 types of selection
2mks

Question six

- a) There are many routes through which diseases causing agents can be transmitted to an organism/animal. Name at least 5 of them
5mks
- b) State six factors that influence spread of disease
6mks
- c) What are the four main ways through which general disease control can be done 4mks

Question seven

Discuss 5 ways of feed stuffs classification
15mks