



KISII UNIVERSITY

UNIVERSITY EXAMINATIONS

**FIRST YEAR EXAMINATION FOR THE AWARD OF THE
DEGREE OF BACHELOR OF SCIENCE IN ANIMAL SCIENCE &
TECHNOLOGY**

**FIRST SEMESTER 2022/2023
(SEPTEMBER - DECEMBER, 2022)**

ANSC 111: INTRODUCTION TO ANIMAL SCIENCE

STREAM: Y1 S1

TIME: 2 HOURS

DAY: FRIDAY, 12:00P.M – 2:00 P.M

DATE: 02/12/2022

INSTRUCTIONS:

- 1. Do not write anything on this question paper.**
- 2. Answer ALL questions in section A (Compulsory) and any other TWO Questions in Section B.**

SECTION A (40MARKS)

1. a) Define the following terminologies as used in animal science (6marks)
 - i. Animal science
 - ii. Animal breeding
 - iii. Animal production
- b) Give a brief history of animal domestication. (5marks)
- c) Describe the pastoral livestock production system. (8marks)
- d) Highlight the characteristics of roughage feed. (4marks)
- e) List the functions of the following hormones (4marks)
 - i. Luteinizing hormone (L.H)
 - ii. Follicle stimulating Hormone (F.S.H)
 - iii. Oestrogen
 - iv. Progesterone

- f) Give main features of Jersey dairy breed. (4marks)
- g. Highlight four production parameters used to assess the health status in livestock. (4marks)
- h).Mention 5 macro elements and 5 micro elements. (5marks)

SECTION B (30 MARKS)

3. Discuss the importance of livestock in the Kenyan economy (15marks)
4. As a livestock production consultant, explain the reasons why you would advise a small scale farmer to keep small ruminants as opposed to large ruminants. (15marks)
5. Describe four methods used by animal breeders as basis for selection of the breeding stock. (15marks)