



KISII UNIVERSITY
UNIVERSITY EXAMINATIONS
THIRD YEAR EXAMINATION FOR THE AWARD OF THE
DEGREE OF BACHELOR OF SCIENCE IN ANIMAL SCIENCE &
TECHNOLOGY
FIRST SEMESTER 2022/2023
(SEPTEMBER - DECEMBER, 2022)

ANSC 359: PRINCIPLES OF ANIMAL PRODUCTION

STREAM: Y3 S1

TIME: 2 HOURS

DAY: MONDAY, 900 A.M – 11:00 A.M

DATE: 05/12/2022

INSTRUCTIONS:

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

SECTION A: 30 MARKS

1. a) Define the following terms as used in animal production
 - i. Animal Husbandry
 - ii. Animal Production
 - iii. Production system. (3Marks)
- b) Briefly explain three primary livestock products in Kenya. (3Marks)
- c) Explain the characteristics and food value of meat. (5Marks)
- d) Discuss briefly the factors that influence the choice of a livestock production system. (5Marks)
2. a) Explain the two types of cattle production systems . (4Marks)
- b) List any five breeds of dairy cattle found in your locality. (5Marks)
- c) State one cause of disease or ill-health in livestock. (1Mark)
- d) List any four signs of ill-health or disease in domestic animals. (4Marks)

SECTION B (40 MARKS)

1. Discuss the role of farm animals in the national economy. (10Marks)
2. Describe the strategies used to achieve high milk production in early lactation in dairy cattle. (10Marks)
3. Discuss the types and characteristics of various animal production systems practised in Africa. (10Marks)
4. Citing relevant examples, discuss the challenges of development of livestock production in Kenya. (10Marks)
5. Discuss the various uses of animal by products that are of economic importance to the livestock owners. (10Marks)