



MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

P.O. Box 972-60200 – Meru-Kenya.
Tel: +254(0) 799 529 958, +254(0) 799 529 959, +254 (0)712 524 293
Website: www.must.ac.ke Email: info@mucst.ac.ke

UNIVERSITY EXAMINATIONS 2023/2024

FIRST YEAR SECOND SEMESTER EXAMINATION FOR DIPLOMA IN
AGRICULTURAL EXTENSION

AGR/OS/EXT/CR/01/6: PRODUCE CONVENTIONAL AND NON-CONVENTIONAL LIVESTOCK

DATE: APRIL 2023

TIME: 1½HOUR

INSTRUCTIONS: Answer Question ONE and any other TWO questions.

QUESTION ONE (40 MARKS)

- a) Explain hybrid vigor in relation to animal breeding (2marks)
- b) State two reasons for selection (2marks)
- c) Define breeding (2marks)
- d) Give one reason for doing record keeping in a farm (1mark)
- e) List four breed of dairy animals (4marks)
- f) Discuss three methods multiple trait selection (6marks)
- g) State three characteristics of a beef animal (3marks)
- h) Explain three reasons for inbreeding (6marks)
- i) Highlight five traits of indigenous livestock (5marks)
- j) List four farm structures found in non-conventional farm (4marks)
- k) Highlight five importance of a rangeland (5marks)

QUESTION TWO (20MARKS)

- a) Discuss seven factors to consider when selecting a breeding stock (14marks)
- b) Explain three characteristics considered while culling animals (6marks)



QUESTION THREE (20MARKS)

- a) Five signs of heat (5marks)
- b) Explain five factors considered when constructing animal house (10marks)
- c) Define body scoring and explain why it is done to the animals (5marks)

QUESTION FOUR (20MARKS)

- a) Discuss seven importance of keeping livestock (14marks)
- b) Discuss two mating strategies (6marks)

QUESTION FIVE (20MARKS)

Explain ten routine management practices used in animal production (20marks)

