



MURANG'A UNIVERSITY OF TECHNOLOGY
SCHOOL OF AGRICULTURE AND ENVIRONMENTAL
SCIENCES

DEPARTMENT OF AGRICULTURE

TVET EXAMINATION

2023/2024 ACADEMIC YEAR

FIRST YEAR SECOND SEMESTER EXAMINATION FOR DIPLOMA IN
AGRICULTURAL EXTENSION

AGR/CU/EXT/CR/01/6/A/: CONVECTIONAL AND NON-
CONVECTIONAL LIVESTOCK PRODCUTION

DURATION: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

1. Answer question one and any other two questions.
2. Mobile phones are not allowed in the examination room.
3. You are not allowed to write on this examination question paper.

SECTION A: ANSWER ALL QUESTIONS IN THIS SECTION

QUESTION ONE (30 MARKS)

- a. Give five factors affecting water intake in animals. (5 marks)
- b. List function of saliva in digestion. (5 marks)
- c. Enumerate 7 ways in which livestock production systems are classified (give each example in each). (7 marks)
- d. Differentiate: (4 marks)
 - i. Tandem selection
 - ii. Pedigree selection
- e. List various functions of mineral to an animal. (7 marks)
- f. Differentiate between convectional and non-convectional livestock. (2 marks)

SECTION B – ANSWER ANY TWO QUESTIONS IN THIS SECTION

QUESTION TWO (20 MARKS)

List the various traits of economic importance useful during selection and give examples in each. (20 marks)

QUESTION THREE (20 MARKS)

- a. List and explain different factors affecting oestrus cycle. (6 marks)
- b. List and explain factors affecting gestation period in animals. (14 marks)

QUESTION FOUR (20 MARKS)

- a. Explain the various uses of records in animal production. (10 marks)
- b. List and explain the different types of records known. (10 marks)