

LAIKIPIA



UNIVERSITY

UNIVERSITY EXAMINATIONS

2ND SEMESTER 2023/2024 ACADEMIC YEAR

FOURTH YEAR EXAMINATIONS FOR BACHELOR OF SCIENCE IN AGRICULTURAL EXTENSION AND EDUCATION

AGED 426: RUMINANT PRODUCTION

STREAM: R

TIME: 2 HRS

DAY: TUESDAY (11.30-1.30PM)

DATE: 9/4/24

THIS QUESTION PAPER CONSISTS OF THREE (3 PAGES)

PLEASE DO NOT OPEN UNTIL THE INVIGILATOR SAYS SO.



INSTRUCTIONS: Answer question **ONE** and any other **TWO** questions.

QUESTION ONE (30 MARKS)

- a) Outline **three** characteristics of jersey breed of dairy cattle (3 mks)
- b) Highlight **four** importance of colostrum in cattle production (4 mks)
- c) Outline **three** unfavorable qualities associated with the zebu breed (3 mks)
- d) Highlight **three** factors determining the output from a beef enterprise (4 mks)
- e) Define the following terms as used in beef production
 - i) Transhumance (1mks)
 - ii) Feedlot (1mks)
 - iii) Under grazing (1mks)
 - iv) Marbling (1mks)
- f) Explain the following terminologies in sheep and goat production (4 mks)
 - i) Lamb (1mks)
 - ii) Kidding (1mks)
 - iii) Mutton (1mks)
 - iv) Hoggets (1mks)
- g) Highlight **three** importance of pregnancy diagnosis in dairy cattle production (3 mks)
- h) List **three** breeds of sheep kept for mutton (3 mks)
- i) What are **three** advantages of artificial Insemination in goats (3 mks)

QUESTION TWO (20 MARKS)

- a) Explain **four** features of a extensive system of dairy production (8 mks)
- b) Explain **six** constraints dairy cattle production in Kenya (6mks)
- c) Discuss **three** solutions of dairy cattle production in Kenya (6 mks)



QUESTION THREE (20 MARKS)

- a) Explain **four** characteristics of extensive system of cattle production (8 mks)
- b) Discuss **six** constraints facing the beef industry in Kenya (12 mks)

QUESTION FOUR (20 MARKS)

- a) Explain **four** desirable features of Aberdeen Angus beef breed (8 mks)
- b) Discuss **four** criteria used in selecting a breeding bull (12 mks)

QUESTION FIVE (20 MARKS)

- a) Explain **four** routine management practices in calves (8 mks)
- b). Discuss **four** criteria used in selecting the breeding stock in male goats (8mks)

