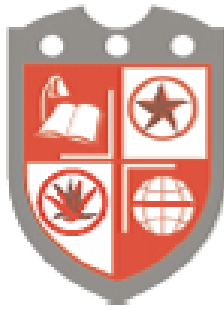


LAIKIPIA



UNIVERSITY

UNIVERSITY EXAMINATIONS

1ST SEMESTER 2025/2026 ACADEMIC YEAR

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

AGED 417: NON-RUMINANT PRODUCTION

STREAM: BCS(AGED)-R

TIME: 2 HRS

DAY: THURSDAY (8.30-10.30AM)

DATE: 29/01/2026

THIS QUESTION PAPER CONSISTS OF THREE (3 PAGES)

PLEASE DO NOT OPEN UNTIL THE INVIGILATOR SAYS SO.

INSTRUCTIONS:

Answer question ONE and any two questions

QUESTION ONE: COMPULSORY QUESTION (30 MARKS)

- a) Highlight **FOUR** characteristics of Large white breed of pigs. (4 marks)
- b) Briefly explain **THREE** points on how growth rate and good mothering ability are traits of economic importance. (3 marks)
- c) Differentiate between out crossing and cross breeding. (3 marks)
- d) Briefly explain two ways a bee keeper can prevent absconding. (2 marks)
- e) Highlight four functions of hive tool and catcher box. (4 marks)
- f) Explain three causes of unsustainable chicken feeds. (3 marks)
- g) Explain three reasons why consumers prefer meat from indigenous chicken. (3 marks)
- h) Outline **FOUR** characteristics of Chinchilla breed of rabbits (2 marks)
- i) Explain two key management practices for kindles (2 marks)
- j) Explain two major challenges faced by non-ruminants nutrition as compared to ruminants. (4 marks)

QUESTION TWO

- 2. a) A group of famers want to venture in pig farming. Explain four challenges of the pig industry in Kenya. (8 marks)
- b) As an extension agent, provide six key points to a group of farmers interested in commercial pig rearing. (12 marks)

QUESTION THREE

- 3. a) Honey bee is known to exhibit high level of communication that ensures all activities in the hive are well coordinated. Discuss for such communication. (8 marks)
- b) Discuss six ways of increasing honey production in an apiary (12 marks)

QUESTION FOUR

- 4. a) Discuss four reasons why keeping indigenous chicken can be recommended to farmers. (8 marks)
- b) Discuss six management practices of breeding boar (12 marks)

QUESTION FIVE

5. a) Provide four differences between drone and worker bees in a hive

(8 marks)

b) Discuss six factors to consider when siting an apiary

(12 marks)