



SOUTH EASTERN KENYA UNIVERSITY
UNIVERSITY EXAMINATIONS 2019/2020

**FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
IN DRYLAND ANIMAL SCIENCE**

ANS 407: NON RUMINANT PRODUCTION

DATE: 11TH DECEMBER, 2019

TIME: 11.00-1.00 PM

INSTRUCTIONS TO CANDIDATES

- (a) Answer **ALL** questions in Section A
- (b) Answer **ANY TWO** questions in Section B
- (c) Illustrate your answers with well labeled diagrams where appropriate

Section A: (Answer all questions in this section)

1. Define the following terms related to Non-ruminant production
 - a) Non ruminants (2 marks)
 - b) Line breeding (2 marks)
 - c) Outcrossing (2 marks)
 - d) Pure-breeding (2 marks)
2. Enumerate at least five (5) challenges facing the pig industry in Kenya today (5 marks)
3. Give five (5) ideal qualities of eggs recommended for incubation in poultry production (5 marks)
4. Briefly discuss the economic importance of poultry to any nation (5 marks)
5. Outline any 7 (seven) requirements of Rabbit equipment (7 marks)

Section B: (Answer any two questions)

6. Discuss in detail the general requirements for pig housing (20 marks)
7. a) Discuss the two types of incubation in poultry (4 marks)
b) Describe the hatching process in chicks (16 marks)

8. a) Discuss the advantages and disadvantages of the three feeding systems in Rabbits

(12 marks)

b) Discuss in detail the concept of caecotrophy in rabbit nutrition

(8 marks)