



“Investing in Africa’s future”

**COLLEGE OF HEALTH, AGRICULTURE AND NATURAL
SCIENCES**

NAAS 403: NON RUMINANT ANIMAL PRODUCTION

END OF SECOND SEMESTER FINAL EXAMINATIONS

APRIL 2022

LECTURER: DR. S. CHAKEREDZA

DURATION: 3 HOURS

INSTRUCTION

1. Answer All Questions in Section A, and
2. Answer three Questions from Section B

Section A (answer all, possible marks 40)

1. List animal Feed Nutrients. [6]
2. Define Caecotrophy. [3]
3. What are the factors affecting the size of an egg? [8]
4. What are the factors affecting hatchability of eggs? [8]
5. What are the statutory requirements specified by law in milk quality assessment in Zimbabwe?
[10]
6. What are the advantages of rabbit meat over other livestock species meat as used for human consumption? [5]

Section B (Choose any 3, maximum possible marks 60)

1. Discuss the advantages and disadvantages of rabbit keeping under smallholder farmer conditions of sub-Saharan Africa. [20]
2. Trace how feed energy is utilized in the body indicating the losses which occur from energy intake until net energy utilization.
[20]
3. Discuss the advantages and disadvantages of pig production in tropical and subtropical conditions. [20]
4. Compare and contrast the extensive free-range systems of poultry raising in the tropics and subtropical regions.
[20]
5. Describe the stages in the signs of heat in a sow/gilt and comment on the recommended practices during heat period. [20]

END OF EXAMINATION PAPER