



**UNIVERSITY EXAMINATIONS**

**FOURTH YEAR EXAMINATION FOR THE DEGREE OF BACHELOR OF  
SCIENCE IN AGRICULTURE  
SECOND SEMESTER 2024/2025  
[JANUARY - APRIL, 2025]**

**ANSC 460: NON – RUMINANT PRODUCTION**

**STREAM: Y4 S2**

**TIME: 2 HOURS**

**DAY: TUESDAY, 12:00 - 2:00 P.M.**

**DATE: 08/04/2025**

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**INSTRUCTIONS:**

- 1. Do not write anything on this question paper.***
- 2. Answer ALL questions in section A and any other TWO in section B.***

**SECTION A (30 MARKS)**

**QUESTION ONE**

- (a) Describe the essential requirement of artificial incubation [2marks]
- (b) Outline the limitations in battery cage poultry production system [2marks]
- (c) Outline a method of maintaining hatching egg quality of chicken [2 marks]
- (d) Outline the characteristics of good layer [2 marks]
- (e) Describe the construction of a brooder for raising day-old chicks [2 marks]
- (f) Highlight the advantages of rabbit meat [2 marks]
- (g) Describe rabbit breeds and describe their body colors [2 marks]
- h) Describe factors affecting hatchability [2 marks]
  - (i) methods of rabbit identification [2 marks]
  - (ii) State the principles of selecting a boar [2 marks]
- (i) Describe the action required to carry out the following actions in piglets [2 marks]
  - (i) To supplement iron

- (ii) To avoid injury of the teats of the sow
- (j) State the advantages of intensive pig production [2 marks]
- (K) Outline the functions of a worker bee [2 marks]
- (l) Outline the drawbacks of a deep litter system [2 marks]
- (j) Describe the pests that attack bees and how they are controlled [2 marks]

**SECTION B (40 MARKS)**

**QUESTION TWO**

- (a) Discuss factors that affect the egg size of a chicken [10 marks]
- (b) Discuss factors that influence rabbit keeping [10 marks]

**QUESTION THREE**

- (a) Discuss how poor or bad management can lead directly to diseases [10 marks]
- (b) Discuss factors to consider when sitting an apiary [10 marks]

**QUESTION FOUR**

- (a) Explain the importance of proper consideration for pig comfort [10 marks]
- (b) Discuss Advantages of pig farming in Africa [10 marks]



