



1ST SEM. 2015/2016

**UNIVERSITY OF SWAZILAND
FINAL EXAMINATION PAPER**

**PROGRAMME: B.Sc. AGRICULTURAL ECONOMICS AND AGRIBUSINESS
MANAGEMENT YEAR 3**

COURSE CODE: AS 303

TITLE OF PAPER: NON-RUMINANT ANIMAL PRODUCTION

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

**DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN GRANTED BY
THE CHIEF INVIGILATOR**

QUESTION 1

With the help of a well labelled diagram, discuss the structure and formation of an egg.

(25 Marks)

QUESTION 2

(a) Describe the major nutrients and their contribution in chick development. **(15 Marks)**

(b) Discuss anti-nutritive substances in chicken feeds. **(10 Marks)**

QUESTION 3

How do you manage pregnancy, pre-farrowing, farrowing, lactating and weaning in a sow?

(25 Marks)

QUESTION 4

Discuss the selection criteria for boars, gilts and sows.

(25 Marks)

QUESTION 5

(a) Describe exotic breeds of rabbits. **(10 Marks)**

(b) Clearly explain the following in rabbit production:

(i) Pregnancy diagnosis **(7 Marks)**

(ii) Kindling **(3 Marks)**

(iii) Fostering **(5 Marks)**