



2nd SEM. 2005/6

PAGE 1 OF 3

UNIVERSITY OF SWAZILAND
FINAL EXAMINATION PAPER

PROGRAMME : B.Sc (AEE AND APH) YEAR V

COURSE CODE : APH 505

TITLE OF PAPER : PIG AND RABBIT PRODCUTION

TIME ALLOWED : 2 HOURS

**INSTRUCTIONS : ANSWER FOUR (4) QUESTIONS,
AT LEAST ONE (1) FROM EACH
SECTION**

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

PIGS SECTION**QUESTION 1**

- a) Discuss male and female reproductive systems. (15 Marks)
- b) What do you consider to be the breeding goals in swine industry? (10 Marks)

QUESTION 2

- a) The breeding tools in pig industry are basically inbreeding and out breeding. Discuss. (15 Marks)
- b) State concisely the practical feeding of piglets, weaners, growers, fatteners and breeding stock in pig production. (10 Marks)

QUESTION 3

- a) Formulate a 17% CP diet for grower pigs consisting of maize (10%CP) and GNC (44%CP) with the fixed ingredients made up of the following:

DCP	3%
Fishmeal	3%
Brewer's dried grains	5.5%
Vitamin/minerals	0.5%
Salt	0.5%
Oil	2.0%

Assume the fixed ingredients contribute 4% CP. (15 Marks)

- b) If we are to compound 2,500kg feed, what will be the quantity of each ingredient in the diet? (10 Marks)

QUESTION 4

Discuss the bacterial and non-infectious diseases in swine production. (25 Marks)

RABBIT SECTION**QUESTION 5**

- a) Clearly classify and describe the breeds of rabbit you know. (10 Marks)
- b) Discuss the following in rabbit production:
Housing
Temperature

PAGE 3 OF 3

Ventilation
Water supply
Closing-off of nest

(15 Marks)

QUESTION 6

- a) Describe the major feed resources and nutrient requirements in rabbit nutrition.
(15 Marks)
- b) What is coprophagy and how do you select does and bucks as replacement stock?
(10 Marks)

GOOD LUCK