



2ND SEM. 2006/7

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**UNIVERSITY OF SWAZILAND
FINAL EXAMINATION PAPER**

- PROGRAMME : B.Sc. (AEE AND APH) YEAR V**
- COURSE CODE : APH 505**
- TITLE OF PAPER : PIGS AND RABBITS PRODUCTION**
- TIME ALLOWED : 2 HOURS**
- INSTRUCTIONS : ANSWER ANY FOUR (4) QUESTIONS,
ATLEAST ONE (1) FROM EACH
SECTION**

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GRANTED BY THE CHIEF INVIGILATOR**

PIGS SECTION

Question 1

a) Describe the indigenous and exotic breeds of pigs you know. (10 marks)

b) Discuss the non-infections diseases and parasites in Swine industry
(15 marks)

Question 2

a) With a help of diagrams, discuss the male and female reproductive systems.
(15 marks)

b) Clearly describe the hormonal regulation in female pig reproduction, especially during parturition (Show diagram) (10 marks)

Question 3

a) What are the breeding goals and traits of economic importance in swine production? (10 marks)

b) How do you select gilts and boars for future generation and what is the mode of traits of inheritance. (15 marks)

Question 4

a) Mr Shongwe is retiring from public service this year and intends to use his gratuity on pig production. Formulate 22% and 18% diets for his starter and grower piglets containing maize and soybeans meal with 9% and 45% crude protein, respectively. Given that the following fixed ingredients contributed 3% CP in starter and 4% CP in grower diets.

DCP	=	2.5%	
Fishmeal	=	3.0%	
Brewers' dried grains	=	5.0%	
Vit/minerals	=	0.5%	
Salt	=	0.5%	
Oil	=	2.5%	(20 marks)

b) Comment on the nutrient density if the farmer's consumers clients complained of excess lard in the pork. (5 marks)

RABBITS SECTION**Question 5**

- a) Discuss the major importance, classification and breeds of rabbit. (15 marks)
- c) Discuss the breeding schedules, pregnancy, rebreeding and low receptivity in rabbits Production. (10 marks)

Question 6

- a) Advise Mr Ngwenya, the rabbit farmer; on a wide range of feed resources, his stock could benefit from for low cost production. (15 marks)
- b) Describe in details the major nutrients in the feed resources that could guarantee adequate nutrition for optimal productivity of the rabbits. (10 marks)

GOOD LUCK