



1ST SEM. 2007/2008

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

PROGRAMME: BSC. IN AGRICULTURAL EDUCATION IV
BSC. IN ANIMAL SCIENCE IV

COURSE CODE: APH 502

TITLE OF PAPER: POULTRY 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

Mr. Mthembu got a loan from Swazi bank to start up a 500 broiler project. He approaches you for advice on how to build his poultry house, how much feed and equipment he should purchase to take his birds through to slaughter at 42 days of age. Please advice.

(25 marks)

Question 2

Describe how the broiler finisher mash is digested by broilers.

(25 marks)

Question 3

Formulate a layer ration using barley and soyabean meal supplemented with 5% fish meal, 5% vitamin and mineral premix and 0.3% salt.

Nutrient composition of the ingredients:

Ingredient	Energy (MJ/kg ME)	Protein (g/kg)	Calcium (g/kg)
Barley	12.8	108	0.5
Soyabean meal	14	400	3.5
Fish meal	12.9	600	79.0
Vit/min premix	-	-	-
Limestone	-	-	337

Layer nutrient requirement

Energy (MJ/kg ME)	Protein (g/kg)	Calcium (g/kg)
11.1	160	30

Question 4

Describe the management of fertile eggs in an incubator.

(25 marks)

Question 5

What causes the following :

- a) Cock laying eggs (2 marks)
- b) Blood spots (2 marks)
- c) Small sized eggs (6 marks)
- d) Small number of eggs (10 marks)
- e) Misshaped eggs (5 marks)