



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 408

TITLE OF PAPER: POULTRY PRODUCTION

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

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GRANTED BY THE CHIEF INVIGILATOR.

Question 1

- a) Describe the different systems of raising poultry (20 marks)
- b) Which system would you recommend and why? (5 Marks)

Question 2

Discuss the management of adult layers including routine management. (25 marks)

Question 3

- a) Draw a labeled structure of an egg. (10 marks)
- b) Describe how the inner contents of an egg are protected from bacterial attack. (20 marks)

Question 4

What causes the following in chickens?

- a) Cock laying eggs (1 mark)
- b) Yolkless eggs (3 mark)
- c) Blood stains (3 marks)
- d) Meat spots (1 mark)
- e) Broken or eaten eggs (5 marks)
- f) Small number of eggs (5 marks)
- g) Poor shells (7 marks)

Question 5

Formulate a layer ration using yellow maize, 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)
Yellow maize	13.4	100	0.3
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