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UNIVERSITY OF SWAZILAND

SUPPLEMENTARY 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

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

**Question 1**

Discuss the embryonic development of a chick until hatching. (25 marks)

**Question 2**

Discuss the digestion of laying mash by a domestic fowl. (25 marks)

**Question 3**

a) Mr. Dlamini keeps 100 layers in a deep litter system. He now realises a reduction in laying percentage, but does not know how to identify the birds that are not laying so that he could cull them. Advise him on how he could identify the birds that are not laying. (14 marks)

b) Discuss the three different laying phases of a pullet. (11 marks)

**Question 4**

Describe the following poultry diseases including symptoms, treatment and control:

- a) Fowl pox
  - b) Newcastle disease
- (25 marks)

**Question 5**

Discuss the formation of an egg by a domestic fowl. (25 marks)