

130



**1<sup>ST</sup> SEM. 2018/2019**

**Page 1 of 2**

**UNIVERSITY OF ESWATINI  
FINAL EXAMINATION PAPER**

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

**COURSE CODE: AS 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**

As a manager at National chicks hatchery, you observed a decrease in the hatchability in the three successive batches of eggs incubated. Discuss how the root cause of the problem may be traced. **(25 marks)**

**Question 2**

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

**Question 3**

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

**Question 4**

- What causes the following in chickens?
- a) Blood ring (embryonic death within 2 – 4 days) **(6 marks)**
  - b) Clear eggs **(4 marks)**
  - c) Chicks dead after piping shell **(12 marks)**
  - d) Crippled chicks **(3 marks)**

**Question 5**

- a) Using the Pearson square, formulate a layer ration containing 16% crude protein, using yellow maize (8% CP) and sunflower meal (29% CP). **(15 marks)**
- b) Verify if the feed does meet the protein requirement of the layer. **(10 marks)**