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UNIVERSITY OF SWAZILAND

1st SEM. 2013/2014

FINAL EXAMINATION PAPER

**PROGRAMME: BSc. AGRICULTURAL EDUCATION YEAR 4,
BSc. ANIMAL SCIENCE YEAR 4**

COURSE CODE: AS 408

TITLE OF PAPER: POULTRY PRODUCTION

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

**THIS PAPER IS NOT TO BE OPENED UNTIL PERMISSION HAS BEEN
GRANTED BY THE CHIEF INVIGILATOR**

QUESTION 1

- a. Advise a poultry farmer on the special operations carried out in chickens that are going to be reared as pullets and indicate the reasons for carrying out these operations. (15 Marks)
- b. Compare the deep litter and battery cage systems of management of laying birds. (10 Marks)

QUESTION 2

Discuss the management measures that you would apply to influence the pullets to start laying eggs on or about 24 weeks of age. (25 Marks)

QUESTION 3

As a Hatchery Manager give an account of the measures to be carried out to promote health hygiene at your hatchery. (25 Marks)

QUESTION 4

Describe the management of broilers from day old till they are ready for marketing. (25 Marks)

QUESTION 5

- a. Define 'ration formulation' and give an outline of the information required in order to carry out ration formulation for broilers. (10 Marks)
- b. Using the Pearson Square Method, formulate a broiler grower ration containing 18% crude protein using yellow maize that has 10% crude protein and Soybean meal that has 44% crude protein. Show all the calculations needed. (15 Marks)