



1ST SEMESTER 2012/2013

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

**PROGRAMMES: BACHELOR OF SCIENCE IN AGRICULTURAL
EDUCATION YEAR 4 AND BACHELOR OF
SCIENCE IN ANIMAL SCIENCE YEAR 4**

TITLE OF PAPER: POULTRY PRODUCTION

COURSE CODE: AS 408

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

Describe the systems of management used in poultry production and give the advantages and disadvantages of each of these systems. (25 Marks)

QUESTION 2

- a. Give an account of the breeding system used in broiler production. (5 Marks)
- b. Describe the measures taken to prevent the transmission of common poultry diseases in a hatchery that produces eggs for incubation from its own parent stock. (20 Marks)

QUESTION 3

Give an account of the preparations to be made for receiving day old broiler chicks and then describe the routine management carried out until the broilers are ready for marketing. (25 Marks)

QUESTION 4

Outline the location and pertinent features of a poultry house to be used in an intensive system of management. (25 Marks)

QUESTION 5

Discuss the improvements to be made in the extensive system of poultry management as practiced among the small holders in the rural areas of Swaziland. (25 Marks)

QUESTION 6

- a. Define 'ration formulation' and give an outline of the information required in order to carry out ration formulation for a particular animal. (10 Marks)
- b. Using Pearson Square Method, formulate a ration containing 16% 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)