



UNIVERSITY OF SWAZILAND

2nd SEM. 2016/2017

RE-SIT EXAMINATION PAPER

**PROGRAMME: B.Sc. ANIMAL SCIENCE YEAR 2 AND B.Sc. AGRIC.
EDUCATION YEAR 2**

COURSE CODE: ASC 202

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, including an illustration, the functional anatomy and physiology of the complete digestive tract and accessory organs of a broiler chicken. Further discuss how these aspects are related to the nutrition of the bird.

(25 Marks)

QUESTION 2

Calcium and phosphorus are some of the critically important nutrients in poultry production. Discuss the nutrition of these two minerals in poultry, their interaction with other nutrients, and elaborate on their availability in commonly used feedstuffs for poultry. **(25 Marks)**

QUESTION 3

The period immediately posthatching is critically important for chicks. Discuss this period in terms of chick development, required optimal conditions, consequences of providing optimal or sub-optimal conditions, and various brooding systems **(25 Marks)**

QUESTION 4

Explain how the age of the bird, high environmental temperature and light duration can affect egg production and egg shell quality in layers. **(25 Marks)**

QUESTION 5

Discuss, including a diagram, the chicken egg shell, its composition and functions, as well as the role of nutrition in its integrity. **(25 Marks)**