



UNIVERSITY OF SWAZILAND

1st SEM. 2016/2017

SUPPLEMENTARY EXAMINATION PAPER

PROGRAMME: B.Sc. ANIMAL SCIENCE YEAR 2 & 4 AND B.Sc. AGRIC. EDUCATION YEAR 2 & 4

COURSE CODE: AS 407 / ASC 201

TITLE OF PAPER: PIG AND RABBIT 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 Large White and Landrace pig breeds and their suitability for rearing under Swaziland conditions.

(25 Marks)

QUESTION 2

Illustratively discuss the comparative digestive system of a pig and rabbit and further explain how the anatomy of their respective digestive systems influences the capacity of these animals to digest and utilize fibrous feeds.

(25 Marks)

QUESTION 3

Discuss phytic acid (phytate) in relation to pigs and the environment. In particular, explain its occurrence in feedstuffs for pigs, its effects, mechanism of action and strategies to counter its undesirable effects.

(25 Marks)

QUESTION 4

Discuss the phenomenon of early weaning in piglets, its benefits and perturbations, as well as measures employed to counter its deleterious effects.

(25 Marks)

QUESTION 5

Discuss reproduction and the various breeding systems that can be used in rabbit production.

(25 Marks)