



UNIVERSITY OF SWAZILAND

2nd SEM. 2017/2018

FINAL EXAMINATION PAPER

PROGRAMME: B.Sc. AGRICULTURAL EDUCATION YEAR 3, B.Sc. ANIMAL SCIENCE YEAR 3 AND B.Sc. ANIMAL SCIENCE (DAIRY OPTION) YEAR 3

COURSE CODE: AS 302

TITLE OF PAPER: ANIMAL HEALTH

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

Write short notes on:

- (a) Chemoprophylaxis **(10 Marks)**
- (b) Growth stimulants. **(8 Marks)**
- (c) Endemic stability. **(7 Marks)**

QUESTION 2

Define and explain antimicrobial resistance. Describe the World Health Organisation (WHO) measures to prevent antimicrobial resistance.

(25 Marks)

QUESTION 3

What is immunity? Describe the body's different lines of defense mechanism against pathogens.

(25 Marks)

QUESTION 4

- a) List the types of vaccines, give examples for each type. **(3 Marks)**
- b) Describe the advantages and disadvantages of live vaccines. **(8 Marks)**
- c) What is the objective of vaccinating animals? **(2 Marks)**
- d) How can one check for the efficacy of a vaccination campaign? **(2 Marks)**
- e) State the challenges normally associated with carrying out a mass vaccination campaign for domestic animals. **(10 Marks)**

QUESTION 5

Discuss, giving examples why it is important to control veterinary drugs in the country.

(25 Marks)