



**UNIVERSITY OF ESWATINI**

**2nd SEM. 2018/2019**

**RE-SIT 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: ASC406**

**TITLE OF PAPER: ANIMAL HEALTH**

**TIME ALLOWED: TWO (2) HOURS**

**INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS**

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**QUESTION 1**

- 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 2**

You work as an Animal Health Technician in rural parts of Hhohho region. Several dogs die within a short period in a specific area following an outbreak of Rabies.

- a) How could the disease have entered the area, and why did several dogs die? **(5 Marks)**
- b) What must dog owners do to prevent their dogs from contracting the disease? **(5 Marks)**
- c) Describe general control measures for the disease. **(8 Marks)**
- d) What service will you render them to prevent future outbreaks of the disease? **(7 Marks)**

**QUESTION 3**

List and Explain the following, giving examples:

- (a) How drugs are applied in domestic animals. **(5 Marks)**
- (b) Secondary bacterial infection. **(5 Marks)**
- (c) Type of samples routinely collected from cattle. **(15 Marks)**

**QUESTION 4**

Write notes on the following;

- a. Enzootic and epizootic diseases. **(5 Marks)**
- b. Contagious and Non-contagious diseases. **(5 Marks)**
- c. Biological and mechanical vectors. **(5 Marks)**
- d. Active and passive immunity **(5 Marks)**
- e. Ethnoveterinary medicine and organic livestock farming. **(5 Marks)**



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**QUESTION 5**

- a. Define antimicrobial resistance. **(5 Marks)**
- b. Describe the factors that promote antimicrobial resistance in farm animals. **(10 Marks)**
- c. Explain the standard antimicrobial susceptibility test. **(5 Marks)**
- d. List the common disease causative agents, and indicate which causative agents are possible to treat? Explain your answer. **(5 Marks)**

**END OF QUESTION PAPER**