GREAT ZIMBABWE UNIVERSITY

ROBERT MUGABE SCHOOL OF EDUCATION AND CULTURE

DEPARTMENT OF SCIENCE AND TECHNICAL EDUCATION

B.ED (SECONDARY) IN SERVICE HONOURS DEGREE PART 2 SEMESTER 1

ANIMAL HEALTH **TPAG/TSAG 212**

MONTH **2024**

TIME **3 HOURS**

MAIN PAPER

INSTRUCTIONS TO CANDIDATES

- Answer **three** questions only
- All questions carry equal mark

Q1. (a) With the aid of examples, differentiate the following terms;

(i) Infectious and Contagious diseases. [6]

(ii) Venereal and Congenital infectious diseases [6]

(b) Describe causes of ill-health in farm animals. [13]

Q2. (a) Chickens in your Four 4 Poultry Project have started showing the following signs: Loss of appetite, sharp drop in egg production, increased respiration, swelling around head and neck, blue combs, and, often, a profuse green diarrhoea that leads to dehydration and collapse. Up to 90% of birds have died within 2 days. Birds that have survived develop severe respiratory and nervous signs including coughing and gasping, head tremors, wing and leg paralysis and twisted necks (torticolis). As the Agriculture teacher, you are called in to investigate.

(i) Basing on the observed clinical signs, which viral disease would you suspect? [2]

(ii) Which 2 forms of the disease are being displayed by these birds [2]

(iii) List the samples you will collect from dead and live birds for disease confirmation. [4]

(iv) How can the disease be controlled at this school? [5]

(b) Complete the following table as it relate to animal health;

Disease	Causative organism	Disease vector	Prevention/Control measure
Lumpy skin disease			
African Swine Fever			
Anaplasmosis			
Heartwater			

[12]

Q3. (a) Describe the signs and symptoms of any five (5) diseases that are a result of metabolic disturbances in farm animals. [15]

(b) Describe and explain the clinical implications of adaptive immunity in cows. [10]

Q4. Identify and classify parasites of economic importance to farm animals. [25]

Q5. (a) Explain the role of innate immunity in protecting animals against diseases [10]

(b) Explain the control measures for the following diseases

(i) Newcastle disease [5]

(ii) Coccidiosis in poultry [5]

(iii) Theileriosis [5]

END OF EXAMINATION