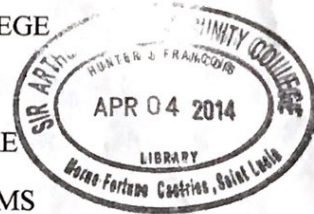




SIR ARTHUR LEWIS COMMUNITY COLLEGE
DIVISION OF AGRICULTURE
ASSOCIATE DEGREE IN AGRICULTURE
2013/2014 END OF SEMESTER ONE EXAMS



VETERINARY SCIENCE- VET 211

DECEMBER 2013

Duration: 2 ½ hrs

#V16

*This paper consists of **FIVE** questions. You are to answer **ALL** questions on the answer sheet provided.*

1. (a) Differentiate between the following pairs of terms:
 - (i) **clinical** and **subclinical** disease (2 mks)
 - (ii) **idiopathic** and **iatrogenic** diseases (2 mks)
 - (iii) **infectious** and **contagious** disease (2 mks)
 - (b) Define the term disease. (1 mk)
 - (c) Define the following types of diseases and give an example of each type. (10 mks)
 - i. metabolic disease
 - ii. anomalies
 - iii. nutritional
 - iv. trauma
 - v. neoplasms
 - (d) Explain Koch's postulates. (8 mks)
2. (a) Viruses and bacteria are two types of infectious agents. Name one other major type. (1 mk)
 - (b) List **THREE** characteristics of viruses. How do these characteristics differ from bacteria? (6 mks)
 - (c) Give **ONE** animal disease caused by a virus and **ONE** caused by bacterium. (2 mks)
 - (d) "The focal point of any investigation of animal disease is the making of a diagnosis." Define the term "**diagnosis**". (2 mks)
 - (e) Give **TWO** purposes of diagnosis. (2 mks)
 - (f) "The critical part of making a diagnosis is the clinical examination of the individual animal or group of animals."

Define the term "clinical examination" and describe the parts of the clinical examination. (12 mks)

3. (a) List **FOUR** physical examination techniques. (4 mks)
- (b) Explain **EACH** technique listed above. (16 mks)
- (c) As part of the clinical examination of a cow, the veterinarian explains that the body temperature must be determined.
- (i) What instrument would the veterinarian use to determine the body temperature? (1 mk)
- (ii) Briefly explain the method that he would use. (2 mks)
- (iii) What is the significance of this practice? (3 mks)
4. (a) Explain how the immune system works to ward off an invasion by a pathogen. (15 mks)
- (b) Different types of vaccines are used in the vaccination programmes of livestock enterprises.
- (i) Name **TWO** types of vaccines. (2 mks)
- (ii) List **TWO** advantages and **TWO** disadvantages of **EACH** type of vaccine named above. (8 mks)
5. A group of five students have come to visit your veterinary clinic while you are treating a prized stallion with a deep wound to its rear flank.
- (a) Explain to the students how wounds are classified. (10 mks)
- (b) The animal's owners had administered first aid treatment while waiting for the vet.
- (i) Explain the step by step procedures that they most likely took and give **ONE** reason for **EACH** procedure. (10 mks)
- (c) Explain the procedure involved in administering an intramuscular injection of antibiotics. (5mks)