

SIR ARTHUR LEWIS COMMUNITY COLLEGE



DIVISION OF AGRICULTURE
END OF SEMESTER ONE EXAMS

#V13

VETERINARY SCIENCE- VET 211

Duration: 2 ½ hrs

Date: Thursday 3rd December 2009

9:00 a.m.

INSTRUCTIONS:

This paper consists of five questions of which you must do ANY four.

Each question is worth 25 marks.

You are to answer the questions on the paper provided.

Answer each question on a separate sheet of paper.

1. (a) Differentiate between the following pairs of terms:
 - (i) clinical and subclinical disease (4 marks)
 - (ii) passive and active immunity (4 marks)
 - (iii) infectious and contagious disease (4 marks)
- (b) List FOUR body defences against disease invasion. (4 marks)
- (c) State Koch's postulates. (8 marks)
- (d) Name one predisposing factor of disease. (1 mark)

2. (a) Viruses and bacteria are two types of infectious agents. Name one other major type. (1 mark)
- (b) (i) List THREE characteristics of viruses.
- (ii) How do their characteristics differ from ~~bacteria~~ those of bacteria? (6 marks)
- (c) Give ONE animal disease caused by viruses and ONE disease caused by bacteria. (2 marks)
- (d) Define the term "diagnosis". (2 marks)
- (e) Give TWO purposes of diagnosis. (2 marks)
- (f) List THREE types of diagnoses and explain EACH type. (12 marks)

3. You have been asked to deliver a lecture to students completing a veterinary technician's course, on the topic of infectious diseases.
 - (a) List the phases of an infectious disease and explain EACH phase. (20 marks)
 - (b) Differentiate between direct and vertical transmission of disease. (4 marks)
 - (c) What does the term "incubation period" mean? (1 mark)

4. (a) List FOUR clinical examination techniques. (4 marks)
- (b) Explain EACH technique listed above. (16 marks)
- (c) As part of the clinical examination of a herd of cattle, the veterinarian explains that the body temperature must be determined. What instrument would the veterinarian use and how would he/she go about getting the body temperature? (5 marks)

5. (a) During your visit to Farmer John's livestock farm with your form five students, you draw their attention to animals being restrained for hoof clipping. As a teacher;
- (i) List THREE common classes of restraints. (3 marks)
 - (ii) Explain each class named above. (9 marks)
 - (iii) Explain how you would restrain a 60 pound pig for vaccination? (3 marks)
- (b) Different types of vaccines are used in the vaccination programmes of livestock enterprises.
- (i) Name TWO types of vaccines. (2 marks)
 - (ii) List TWO advantages and TWO disadvantages of EACH type of vaccine named above. (8 marks)

END OF TEST