

# Uganda Martyrs University

## Faculty of Agriculture

B. Agriculture II, Semester II Final Assessment: 2015/2016

Course Unit: MPD 2101 Management of Pests and Disease of Domestic Animals

Time: 09:30 am – 12:30 pm

Date: Tuesday 03<sup>rd</sup> May 2016

### Instructions:

- i. Answer question 4 questions
  - ii. Do not write anything on a question paper
  - iii. Time: Three hours
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### Question 1

- (i) Describe the various methods used to control <sup>ticks</sup> tick borne diseases in cattle.
- (ii) Describe what you understand by the term endemic stability as applied to tick borne diseases.

### Question 2

- (i) What do you understand by the term triad of disease causation?
- (ii) In a tabular form, list any three tick borne diseases of cattle specifying the causative agent for each and one clinical sign for each.
- (ii) List four methods of controlling and preventing mange in domestic animals

### Question 3

- (a) What is trypanosomiasis
- (b) List any four signs of trypanosomiasis in cattle
- (c) State the various methods used to control <sup>tsetse flies and</sup> trypanosomiasis in cattle.

### Question 4

- (i) What is helminthosis?
- (ii) List any five signs of helminthosis in cattle
- (ii) State the various methods used to control helminthosis in cattle

### Question 5

Mastitis is major cause of underperformance in dairy herds.

- (i) State any four bacteria that are major causes of mastitis in cattle
- (ii) State the two forms of mastitis basing on the nature of transmission
- (iii) State the two forms of mastitis basing on the extent of the disease in a cow
- (iv) State the various preventive and control measures of mastitis in a dairy herd

#### **Question 6**

- (a) Write short notes on milk fever explaining its cause, clinical picture, treatment and prevention.
- (b) Write short notes on Foot and mouth disease explaining its cause, mode of transmission, risk factors, any three clinical signs and prevention
- (c) List any three diseases of cattle characterized by skin lesions

#### **Question 7**

- (a) A goat farmer has come to you complaining of abortions on his farm. List any 10 differential diagnoses you would think about.
- (b) if you suspect the abortion to be infectious in nature, how would you manage the case to prevent more abortions.
- (c) State any five major causes of diarrhea in goat kids.

#### **Question 8**

- (a) State six aspects of the disease agent that you must be aware of if you are to effectively control/prevent it from causing disease or if you are to break the disease cycle.
- (b) Write short notes on vaccination of cattle against East coast fever
- (c) Explain why targeting the parasite on the host is not sufficient in control of pests and diseases.