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University Examinations 2024/2025

FOURTH YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELLOR OF SCIENCE IN ANIMAL HEALTH AND PRODUCTION

AAP 3406: FIELD TRAINING

DATE: JANUARY 2025

TIME: 2 HOURS

INSTRUCTIONS:

Answer question *ONE* and any other *TWO* questions

QUESTION ONE (30 MARKS)

- a) Name the causative agent of lumpy skin disease and outline what steps you take to make a diagnosis of the disease in cattle (6 Marks)
- b) Name the types of records that should be maintained in a well-run camel farm and specify the importance of each type of record (6 Marks)
- c) Discuss the findings you would make during per-rectal palpation of cows in order to conclude that the cow is four months pregnant (5 Marks)
- d) Discuss the conditions under which you would make the following treatment decisions in animals: (5 Marks)
 - i. Administration of antibiotics:
 - ii. Administration of intravenous fluids
- e) Outline the benefits that have been realized by humans through animal biotechnology (8 Marks).

QUESTION TWO (20 MARKS)

One of the main components of the work- of an animal health is to examine animals in order to arrive at diagnosis. Discuss in detail the methods available for physical examination of cattle (20 Marks)

QUESTION THREE (20 MARKS)

The dairy subsector Kenya is an important component of the development goal of vision 2030. It is dominated by smallholders who produce over 80% of the domestic milk and sell raw milk either directly to consumers or through cooperative societies. In a majority of cases, however, the smallholder farmers do not achieve optimal production from their dairy cattle due to a myriad of problems. Using your experience while interacting with smallholder farmers in Tigania West Sub County of Meru County, discuss the main production-limiting factors in their farms and suggest possible solutions for each (20 Marks).

QUESTION FOUR (20 MARKS)

Vaccination is one of the critical tools used in the management of viral diseases of livestock. Using the example of 'Foot and Mouth- Disease (FMD) discuss the factors that must be considered and carefully planned for in order for a vaccination campaign against the disease to become successful (20 Marks)