



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR
FOURTH YEAR FIRST SEMESTER**

**SCHOOL OF NATURAL RESOURCES & ANIMAL
SCIENCES**

**BACHELOR OF SCIENCE IN ANIMAL HEALTH AND
PRODUCTION**

COURSE CODE: AHP 4101

COURSE TITLE: FIELD TRAINING

DATE: 8TH DECEMBER, 2022

TIME: 0830-1130

INSTRUCTIONS:

- (i) Attempt ALL the questions*
- (ii) Label your answers clearly*
- (iii) Don't mix up answers*
- (iv) DO NOT WRITE anything on the question paper*

Question 1

Describe the management approach for the following commonly encountered conditions in livestock.

- a. Food and mouth disease outbreak in a dairy farm **[12 marks]**
- b. Sub-clinical mastitis in cattle **[5 Marks]**
- c. Overgrown hooves in sheep **[3 Marks]**

Question 2

A farmer complains of swelling of the udder that extends to the navel in a seven and a half (7 1/2) months pregnant Ayrshire heifer.

- a. What condition may be suspected in such a case **(5 Marks)**
- b. What is the recommended treatment for the condition listed IN (a) above?
(15 Marks)

Question 3

A farmer calls your clinic with a complaint that her/his bull is excessively salivating about 40 minutes after topical spray with Organophosphates and pyrethroids.

- a. What further questions should be asked while on the phone call with the farmer **(5 marks)**
- b. Describe the common approach to investigation of this case **(15 Marks)**

Question 4

- i. List the instruments used in closed castration of bulls **(8 marks)**
- ii. Discuss the reason for castrating bulls. **(12 Marks)**

Question 5

2. You have been called by University Farm Manager with a complaint of a cow being recumbent for 5 days since parturition. The milk production has been only 1 litre per day since parturition.
 - a. Discuss possible causes of this downer cow syndrome **(10 marks)**
 - b. Discuss your considerations and management option for this case **(6 marks)**
 - c. Advise the farmer on ways to mitigate the current situation in future
(4 marks)

Question 6

3. A farmer in Narok comes to you with a complaint of common occurrence of acute lameness in his sheep flock in Olorpil ward.
 - a. List the common risk factors for the occurrence of this condition **(10 Marks)**
 - b. Describe control and prevention measures for Foot rot in shoats **(10 Marks)**

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SCHOOL OF NATURAL RESOURCES & ANIMAL SCIENCES
BACHELOR OF SCIENCE IN ANIMAL HEALTH AND PRODUCTION
COURSE CODE: AHP 4101 FIELD TRAINING – PRACTICAL

REG. No.

DATE:

TIME 1 hour

INSTRUCTIONS:

- (i) *Attempt ALL the questions*
- (ii) *Label your answers clearly*
- (iii) *Don't mix up answers*
- (iv) *WRITE your answers on the question paper*

Question 1

You are provided with the label of the drug, read it and answer the following questions

A) Calculate the total volume that you will give a 70 Kg goat (8 marks)

B) Indicate the route(s) of administration of the drug (2 marks)

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Question 2

On farm visit you observe the following lesions in an Ayrshire cow

A) What is your tentative diagnosis (1 mark)

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B) What Advice will you give to the farmer (4 marks)

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Question 3

Describe the lesion seen in the patients (5 marks)

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Question 4

Carry out general examination of the patient provided and answer the following questions

A) Indicate the most appropriate sample for laboratory diagnosis and discuss expected results (5 marks)

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B) state any other **five (5)** samples that can be submitted to laboratory (5 marks)

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