

UGANDA MARTYRS



UNIVERSITY

**NGETTA CAMPUS
FACULTY OF AGRICULTURE**

**CERTIFICATE IN AGRICULTURE PRODUCTION/DIPLOMA IN ANIMAL
PRODUCTION MANAGEMENT**

**CAG 1103/DCPM 2109: SUSTAINABLE LIVESTOCK ENTERPRISE
MANAGEMENT**

FINAL ASSESSMENT

ACADEMIC YEAR 2023/2024 SEMESTER ONE

CAP 1 AND DCPM I

DATE: 6TH/DEC/2023

TIME ALLOWED: 3 HOURS (2:00pm-5:00pm)

INSTRUCTIONS:

- *Attempt question ONE COMPULSARY and any three questions of choice*
 - *All questions carry equal marks*
 - *Start every question on a new page*
 - *Do not write anything on the question paper*
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1. a) Climate change is one of the factors hindering Livestock production in Uganda, Explain how the following in relation to climate change affects Livestock Production; (08marks)

i. Heat stress (2marks)

ii. Drought (2marks)

iii. Temperature (2marks)

iv. Floods (2 marks)

b) Explain how both eradication and mitigation strategies are used in averting each of the above effects for a sustainable livestock enterprise management. (12 marks)

c) Define the following terms as applied in a sustainable Livestock enterprise management. (5 marks)

i. Livestock

ii. Enterprise

iii. Sustainability

2. a) Define the following; (15 marks)

i. Pastoral system of production (3marks)

ii. Agro pastoral system (3marks)

iii. Commercial ranching (3marks)

iv. Semi intensive system of farming (3marks)

v. Intensive system of farming. (3marks)

b) In each of the system above outline 5 characteristics, 2 products and the kind of breed kept. (10 marks)

3a. Explain in a tabular manner under the following headings, 1. Good agricultural practices, 2. Example of suggested measures to achieve the practices, 3. Objectives/control measures (5marks)

b. Define animal welfare? And Outline five (5) freedoms of animal welfare (7 marks)

c) Why is it important to restrain an animal before working on it? (5marks)

d) Briefly explain the following in relation to animal restraint methods giving out example of each. (8marks)

i. Physical restrain

ii. Chemical restraint

iii. Environmental restraint

4. a) Explain why goats farming enterprise is considered more profitable than other livestock (15 marks)

b) Outline 5 breeds of goats and 5 breeds of sheep kept in Uganda. (10 marks)

- 5. a)** Explain five points to consider when constructing a dairy house (5 marks)
- b)** Why is dairy farming considered profitable (5 marks)
- c)** Explain why the following is important in a dairy house; i. Calving room ii. Isolation room
iii. Pens for young stock (15 marks)
- 6. a)** Explain how you can take care of a newly born calf up to the time of weaning (15 marks)
- b)** Outline the types of records a farmer should keep in the farm. (10 marks)
- 7. a)** Differentiate fish farming from Aquaculture? (5 marks)
- b)** Mention the species of fish commonly kept in Uganda and why? (5 marks)
- c)** Outline five advantages of rearing fish (5 marks)
- d)** What factors hinder fish farming in East Africa? (10marks)
- 8 a)** what is swarming in bees (3marks)
- b)** What factors lead to swarming in bees (5marks?)
- c)** How would you advice a farmer to deal with swarming in his colony (5 marks)
- d)** Outline four equipment used in an apiary clearly indicating the function of each (12 marks)

END