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AAP 317



University of choice

**MASINDE MULIRO UNIVERSITY
(MMUST)
UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR
THIRD YEAR SEMESTER ONE EXAMINATIONS FOR THE
DEGREE OF
BACHELOR OF SCIENCE IN ANIMAL PRODUCTION AND
PROCESSING
AND RELATED OPTIONS**

UNIT CODE: AAP 317

UNIT TITLE: ANIMAL FEEDS AND FEEDING

DATE: 13.12.23

TIME: 3-5PM

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INSTRUCTIONS TO CANDIDATES

Answer ALL questions in Section A and any TWO Questions in Section B

Write answers to questions clearly and logically

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Pages. Please Turn Over>

SECTION A: ANSWER ALL QUESTIONS (40 MARKS)

QUESTION ONE

Briefly discuss the 7 feed nutrients for animals

(10 Marks)

QUESTION TWO

Outline the cellular utilization of the following nutrients in the animal body

(i) Water

(8 Marks)

(ii) sugars

(8 Marks)

QUESTION THREE

Discuss the factors which influence animal feed intake and digestibility

(14 Marks)

SECTION B ANSWER ANY TWO QUESTIONS (30 Marks)

QUESTION FOUR

Compare and contrast the digestion and absorption of feed and nutrients in ruminant and non-ruminant animals

(15 Marks)

QUESTION FIVE

List and discuss the ten cardinal rules to follow when feeding a dairy cow for milk production.

(15 Marks)

QUESTION SIX

Discuss what one should consider when formulating a ration for an animal

(15 Marks)

QUESTION SIX

Critically examine factors influencing efficiency of feed conversion in an animal

(15 Marks)