SCHOOL	AGRICULTURE AND FISHERIES SCIENCES		
DEPARTMENT	ANIMAL PRODUCTION, AGRIBUSNESS AND ECONOMICS		
SUBJECT	LIVESTOCK PRODUCTION SYSTEMS		
SUBJECT CODE	F3512 AL		
DATE	NOVEMBER 2023		
DURATION	3 HOURS	Marks	100

SECOND OPPORTUNITY EXAMINATION

Examiner: Dr. T. Uushona & Dr. E. Lutaaya
Internal moderator: Prof John Mupangwa
External Moderator: Prof. C. M. Mnisi

This question paper consists of one (1) page excluding this front page.

Instructions

This question paper consists of five (5) questions.
Attempt all of them.

UNIVERSITY OF NAMIBIA EXAMINATIONS

QUESTION 1 **[20 Marks]**

Write notes on the following:

a) Castration in calf (5 marks)

b) Protection against vermin (5 marks)

c) Colostrum (5 marks)

d) Extensive livestock production system (5 marks)

QUESTION 2 **[20 Marks]**

a) Explain key factors contributing to Namibia's competitiveness in the global export market for beef products. (20 marks)

QUESTION 3 **[20 Marks]**

a) Distinguish among Gross Energy (GE), Digestible Energy (DE), Metabolizable Energy (ME) and metabolizability (Q). (8 marks)

b) Explain the means by which livestock maintain thermal equilibrium. (12 marks)

QUESTION 4 **[20 Marks]**

a) Discuss six (6) key rules in designing stock housing for optimal welfare, behavior and performance. (12 marks)

b) Explain any two (2) livestock infectious diseases and their possible control measures. (8 marks)

QUESTION 5 **[20 Marks]**

a) Explain any six (6) prerequisites for establishing a growing-finishing industry for beef cattle. (12 marks)

b) Explain four (4) common genetic defects in pigs. (8 marks)

END