

(University of Choice)

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY

MAIN CAMPUS MAIN EXAMINATIONS

UNIVERSITY EXAMINATIONS (REGULAR) 2021/2022 ACADEMIC YEAR

SECOND YEAR SECOND SEMESTER EXAMINATIONS FOR THE DEGREE OF B.Sc. IN: ANIMAL PRODUCTION & PROCESSING

COURSE CODE: AAP 223

COURSE TITLE: DAIRY CATTLE PRODUCTION

DATE: 25TH APRIL, 2022

TIME: 12-2 PM

INSTRUCTIONS TO CANDIDATES

Answer ALL questions in section A and ANY TWO questions in section B

TIME: 2 Hours
Total marks=70

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over.

SECTION A: Answer all questions (30 Marks)

1.	Describe the characteristics and suitability of any ONE dairy breed that farmers can ke	ep in
	(a) Semi-arid areas of Kenya	(3 marks)
	(b) Highland areas of Kenya	(3 marks)
2.	(a) Outline THREE ways for detecting pregnancy in dairy cattle.	(3 marks)
	(b) Highlight THREE major causes of abortion in dairy cattle.	(3 marks)
3.	(a) Describe pre-disposing factors that lead to mastitis infection in dairy.	(2 marks)
	(b) Outline FOUR prevention four control methods of mastitis.	(2 marks)
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4. ((a) Explain how to deal with a cow that has difficulties during and after calving.	
	*	(5 marks)
(b)	Explain THREE functions of the alveolus (alveoli) of the mammary glands	(3 marks)
5.	Describe TWO genetic and FOUR management factors that contribute to low milk yield	l and quality
		(6 marks)
SE	CCTION B: Answer any two questions (40 marks)	
6.	Discuss the management of cows on the following stages of lactation	
	(a) Early lactation	(5 marks)
	(b) Mid lactation	(7 marks)
3.	(c) Late lactation	(5 marks)
	(d) Dry Period	(3 marks)
7.	Identify and explain management and policy factors affecting affect profitability of da	iry enterprise
	in Kenya.	(20 marks)
8.	Many small-scale dairy farms farmers do not make optimum profits because of	longer calving
	intervals. Describe how a former can reduce the calving interval	(20 marks)