2425/302 ANIMAL PRODUCTION III June/July 2018 Time: 3 hours



## THE KENYA NATIONAL EXAMINATIONS COUNCIL.

## DIPLOMA IN AGRICULTURE MODULE III

ANIMAL PRODUCTION III

3 hours

## INSTRUCTIONS TO CANDIDATES

This paper consists of EIGHT questions.

Answer any FIVE questions in the answer booklet provided.

All questions carry equal marks.

Maximum marks for each part of a question are indicated.

Candidates should answer the questions in English.

This paper consists of 3 printed pages.

Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

17	1			we clean have clean
(X)	D	escribe	milk hygiene with respect to:	mental and there
				are ton
	(a	) cl	lean milk production;	-c milaning mentioner
	(b)		ources of milk contamination in the farm;	(8 marks)
	(c)	be	enefits of clean milk good over home value	(6 marks)
18	20		and the second s	(fr masks)
0	(a)	nating in dairy cows.		
				The state of the s
	(b)	Sta	the the oestrus signs of a dairy cow faction for	Matw.
	444		The state of the s	of June (7 marks)
	(c)	Des	scribe the following:	TINUEL
			radiene	John Orohanis
		(i)	call management before hirth	Section Asset
-		(ii)	calf management at calving up to one week of age	4
12			e i want mock of age	(7 marks)
(2)	(a)	Exp	lain any five reasons for keeping bees.	
~	28.47			(10 marks)
	(b)	High	hlight the reasons why Boran cattle is a perfect beef ca areas.	
7		arid	areas.	ttle for grazing systems in
(N)	EW :			(10 marks)
	(a)	Expl	ain compensatory growth of beef cattle.	Learner grame
	Mark.			comprometry of (3 marks)
	(b)	Expli	ain two ways through which wildlife population	
		or ho	meostasis Pres and Pres Selection maint	ains dynamic equilibrium
	100		- Dien	(4 marks)
	(c)	Descr	ribe four methods used in estimation of wildlife popul	- complate count
	ran .	9 1	or whattie popul	ation. (8 marks)
	(d)	Expla	in caprophagy/caecotrophy in rabbits with respect to:	ation (8 marks)
				- captures (0)
		(i)	meaning;	1 7
		(ii)	importance.	911
5. (			Cau	(5 marks)
1	a)	Highli	ght the purpose of body condition scoring.	
0				(5 marks)
- 1	)	Describ	he the following milk pasteurization methods:	
				No.
		(i)	batch pasteurization;	
		ii)	high temperature short time pasteurization.	
(c	1			(6 marks)
			how the following factors affect reproduction in ewes	
		()	environment;	是一位表面的ACE是是自己的是可
		i) I	nutrition;	- Onser Luck
	(i	4-brill	am effect.	OX total Polices turn
2425/302			· 0/00.	(9 marks)
June/July 20	18		2	

6.	Desc	Describe calf scours with respect to:					
	(a)	causes;aurice_is andaurice_is	(11 marks)				
	(b)	symptoms.	(9 marks)				
7.		A Hereford steer had a live weight of 400 kg. After slaughter, its dressed carcass weight was 208 kg.					
	(a)	Calculate the dressing percentage.	(2 marks)				
	(b)	If the same steer was held off-feed overnight and lost 5% of its live weight in gutfill:					
		<ul> <li>(i) calculate its live weight the following day;</li> <li>(ii) calculate the dressing percentage the following day;</li> <li>(iii) comment on the increase in dressing percentage;</li> <li>(iv) explain the effect on dressing percentage if the same steer is held for time before live weight is recorded.</li> </ul>	a longer (11 marks)				
	(c)	Highlight the management and calving techniques used in reducing calf mobeef herd.	rtality in a (7 marks)				
8.	(a)	State the factors to consider when selecting a beef cow for breeding.	(4 marks)				
	(b)	(i) unprocessed; constitution of honey:  (ii) semi-refined; constitution of the consti	مر المحد مرا				
	(c)	Explain how the following factors affect feed intake in rabbits:  (i) availability of water;	* 1100				
		(iii) physiological state of rabbit; (iv) food quality.	(8 marks)				

THIS IS THE LAST PRINTED PAGE.