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EXAMINATION FOR THE AWARD OF DIPLOMA IN ANIMAL HEALTH AND PRODUCTION

ANSC 0233: ANIMAL NUTRITION AND LIVESTOCK FEEDING

STREAMS: DIP. ANHE TIME: 2 HOURS

DAY/DATE: WEDNESDAY 07/8/2019 8.30 A.M. – 10.30 A.M.

INSTRUCTIONS: Answer ALL questions in section A and any TWO section B

SECTION A (40 MARKS)

1.	(a) Describe substance emitting from decomposing animal matter according			
		Claude berthollet	[2	
mark	as]			
	(b)	Describe relationship between the rate of metabolism with carbon dioxide gas		
		according to Antoine Lavoisier	[2	
mark	as]			
	(c)	Highlight Magendies experiment on a single food (feed) on sustaining	ng animal life	
			[2	
mark	as]			
	(d)	Describe food chain, and give an example	[4 marks]	
2.	(a)	Highlight classes of carbohydrates	[2 marks]	
	(b)	Highlight class of farm animals with high protein requirements	[2 marks]	
	(c)	Describe non-essential amino acids and give an example	[2 marks]	
	(d)	Highlight attributes of animal based proteins	[2 marks]	
	(e)	Describe functions of lipids in animal bodies	[2 marks]	
3.	(a)	Describe vitamins	[2 marks]	
	(b)	Highlight groups or classes of vitamins	[2 marks]	
	(c)	Describe classifications of minerals	[2 marks]	
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	(d)	Highlight functions of a domestic animal stomach	[2 marks]
	(e)	Describe rumen requirements needed by microorganism in breaking	down fibre
			[2
mark	ks]		
SEC	TION I	B (30 MARKS)	
4.	(a)	Explain the importance of proper feeding of farm animals	[10 marks]
	(b)	Discuss factors influencing domestic animal feed intake	[10 marks]
5.	Disci	uss factors influencing feed utilization in farm animals	[10 marks]
	(b)	Explain reasons leading under-nutrition in farm animals	[10 marks]
6.	(a)	Write short notes on diseases resulting from metabolic disorders	[10 marks]
	(b)	Describe chemical composition of feeds.	[10 marks]

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