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University Examinations 2024/2025

SECOND YEAR FIRST SEMESTER EXAMINATION FOR CERTIFICATE IN ANIMAL HEALTH AND PRODUCTION

AAP 1214: METABOLIC DISORDERS

DATE: JANUARY 2025

INSTRUCTIONS:

Answer question ONE and any other TWO questions

OUESTION ONE (30 MARKS)

QUESTION	OHE (.	O MINIMINIA	3)

a	Define the term metabolic disorder	(2 marks)
b	List the clinical manifestations of salt poisoning in farm animals	(5 marks)
c	Discuss the predisposing factors of diabetes in dogs	(5 marks)
d	List the clinical manifestations of hypoglycemia in cattle	(6marks)
e	Discuss the clinical manifestations of urea poisoning in sheep	(6 marks)
f)	Define differential diagnosis and name five differential diagnosis of parturient pa	resis
		(6 marks)

QUESTION TWO (15 MARKS)

a)	Discuss the pathogenesis of lactic acidosis	(7 marks)
b)	Discuss the pathogenesis of pregnancy toxemia in ewes	(8 marks)

QUESTION THREE (15 MARKS)

Discuss Hypocalcemia under the following subheadings

i.	Pre-disposing factors	(2 marks)
ii.	Pathogenesis	(4 marks)
iii.	Clinical manifestations	(5 marks)
iv.	Treatment options	(2 marks)
v.	Prevention and control measures	(2 marks)

QUESTION FOUR (15 MARKS)

In a dairy farm, a farmer reports having five calves out of 10 voiding bloody urine after exposure to a water source where they drink ad libitum after a long period of restriction

i.	Outline the questions you would ask during history taking to aid in diagnosis	(3 marks)
ii.	List the differential diagnosis of the case	(3 marks)
iii.	Name the tentative diagnosis	(2 marks)
iv.	Discuss the treatment options for the tentative diagnosis	(3 marks)
v.	Discuss the pathogenesis of the tentative diagnosis	(4 marks)